

TEXAS AGRICULTURAL EXPERIMENT STATION

A. B. CONNER, DIRECTOR

COLLEGE STATION, BRAZOS COUNTY, TEXAS

BULLETIN NO. 527

SEPTEMBER, 1936

DIVISION OF PLANT PATHOLOGY AND PHYSIOLOGY

A Rating of Plants With Reference To Their Relative Resistance or Susceptibility to *Phymatotrichum* Root Rot



AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS

T. O. WALTON, President

In the selection of crops, shade trees, ornamental shrubs, or other plants to be grown in root-rot areas, it is of great importance to know the relative susceptibility or resistance of plants to the disease. This bulletin furnishes such information for 2,116 species or subspecies of plants belonging to 131 families. Only 408 of these species, about 19 per cent, are immune to the disease. Resistant species number 403. The remaining 1305 species are moderately to extremely susceptible.

All grasses and related plants (Monocotyledoneae) listed are immune to root rot. Most of the Dicotyledoneae, including such plants as elm trees, cotton, alfalfa, and sunflowers, are susceptible, although many plants in certain families, such as mints, crucifers, and cucurbits, are resistant or immune. All the Gymnospermae, such as conifers, listed are resistant or susceptible; none are immune.

Each plant is listed with its technical name, common name, and root-rot rating. In the main list, the plants are arranged alphabetically by the technical names under each family. Technical and common names are combined in a single alphabetic index, to facilitate reference.

CONTENTS

Introduction	5
Methods of study.....	5
Plants included in the list.....	5
Root-rot ratings	6
Discussion	8
Summary, by families, of the relative resistance or susceptibility to root rot of plants given in the list (Table 1).....	10
Rating of plants with reference to their relative resistance or suscep- tibility to <i>Phymatotrichum</i> root rot (Table 2).....	13
Alphabetic index	36
Literature cited	50

A RATING OF PLANTS WITH REFERENCE TO THEIR RELATIVE RESISTANCE OR SUSCEPTIBILITY TO PHYMATOTRICHUM ROOT ROT

J. J. Taubenhaus, Chief, and Walter N. Ezekiel, Plant Pathologist and Laboratory Technician, Division of Plant Pathology and Physiology.

The root-rot disease, caused by the fungus *Phymatotrichum omnivorum* (Shear) Duggar, attacks plants growing in favorable soils throughout a region extending from the Gulf of Mexico to southern California, and from Utah south into Mexico. In Texas and elsewhere in this region, root rot is the most destructive plant disease.

In the study of root rot at the Texas Agricultural Experiment Station, much information as to the relative susceptibility or resistance of plants to this disease has been obtained. Many plants are highly susceptible to root rot; other plants are somewhat less susceptible and may survive for a few years even in the presence of the disease; while some plants are highly resistant or immune. The relative susceptibility of some of these plants has been given in previous publications (2, 18, 21, 22). The present bulletin has been prepared in answer to requests from farmers, nurserymen, county agents, teachers, home owners, and officials connected with the Forest Shelterbelt and Soil Erosion projects, as well as research workers, for a new list to include the information now available. The present list gives root-rot ratings for more than a thousand plants not previously listed.

Methods of study: This bulletin includes information secured in two different ways. Some of the plants mentioned have been grown in experimental fields and artificially inoculated with root rot. Plants that have remained free of the disease after repeated inoculation are known to be resistant. For the rest of the plants mentioned in the list, the root-rot ratings given are based on field observations. For many years, plants found in root-rot areas throughout the State have been examined to find whether they have been infected naturally by the disease. Infected roots were always examined with the hand lens or microscope to determine the presence of the typical *Phymatotrichum* strands. Plants that remained apparently normal, under the same conditions, were pulled out also, and if the roots proved sound and free from strands were considered resistant or even immune. Obviously, root-rot ratings based on this second method of study are not necessarily final. Plants listed as susceptible may safely be considered susceptible to the disease, but of the plants listed now as resistant, some may later be found to be susceptible to root rot.

Plants included in the list: The list includes crop plants widely grown in root-rot areas; native weeds, shrubs, and trees; and also some less

common plants. Some of the last group are nursery introductions or rare weeds, which may not be suited to the soil or climatic conditions where root rot is prevalent, but are listed on the basis of their observed reaction to the disease.

The general arrangement of plants in the main list (Table 2) is alphabetically by technical names of the plants in each family. The order of families is approximately that of Engler and Prantl as used by Seymour (14). Names of plants have been given in general by the International Code, and agree usually with the names preferred by Gray's Manual (12), Bailey's Hortus (3), and Rehder (11). In many cases the names used by Small (15, 16) have been added as synonyms. Common names have been taken from the works of these writers and also from Standardized Plant Names (1). Additional authorities consulted have been Wootton and Standley (23), Hitchcock (8), Mattoon and Webster (10), and Schulz (13). The writers are indebted for identification of plants to the late Dr. L. H. Pammel, the late Professor H. Ness, Mr. V. L. Cory, and curators of the Philadelphia Museum of Natural Sciences and the United States National Museum; to Mr. D. T. Killough for assistance in the collection of some of the plants; and to Mr. H. B. Parks, Mr. S. E. Wolff, and Dr. R. G. Reeves for criticism of the manuscript.

Root-rot ratings: The general basis for the root-rot ratings given in the list is the percentage of plants which develop visible symptoms of the disease when exposed to root-rot infection under favorable conditions. This rating expresses what actually happens in the field when conditions are favorable for root rot. Yet even extremely susceptible annual plants, such as cotton and okra, are planted year after year in root-rot areas, and yield a partial crop even during years in which the disease is widely prevalent. This is true because the root-rot fungus is not uniformly distributed in the soil throughout infested fields, but instead overwinters on the surviving roots of plants previously infected or as sclerotia, located only at irregular intervals in the field. The disease appears first on the scattered plants of the new crop that grow closest to these centers of infection. Root rot then spreads, at a rate determined by weather conditions, to plants adjoining those first infected. Crop loss is greatest with plants killed early in the season, and least with plants that are attacked later (5). Since weather conditions do not necessarily favor spread of root rot every year, very susceptible annual crops may be grown, although with a varying amount of loss, even in areas where the disease is very prevalent. This consideration does not apply to long-lived plants such as shrubs and trees. Thus, susceptible fruit trees, even if they accidentally escape root rot for several years, are likely to be killed before any fruit is produced.

The relative susceptibility of plants is indicated in the list by symbols: "—" for immune plants; "+" for resistant plants; "++" for moderately susceptible plants; "+++" for highly susceptible plants; and "++++"

for extremely susceptible plants. More detailed definition below will emphasize the need of interpreting these symbols differently for annual and perennial plants.

Immunity, as shown by "—", indicates that no evidence has been found of root-rot infection on these plants, even when grown in root-rot areas under favorable conditions. Some of these plants may not be completely immune, but this can be determined only by further observation or by artificial inoculation experiments.

Resistant plants, designated by "+", include "passive hosts" or "passive carriers." The fungus infects the roots of such plants but the host develops new roots and survives in spite of the disease. Small percentages of resistant plants, usually less than 5 per cent of annual plants, may die from the disease. With perennial plants of this group, such as live oak and pomegranate, the seedlings or newly-rooted cuttings are somewhat susceptible, a small percentage succumbing to root rot, while older plants appear almost immune and mature plants very rarely succumb. A good stand of perennial plants of this group may be expected to survive to maturity.

Moderately susceptible plants, designated by "++", usually survive long enough to be used to a certain extent in plantings in root-rot areas. Annual plants included in this group are rated directly as those of which approximately 5 to 30 per cent may die of root rot during the one year of life; perennials included are those of which approximately 10 to 30 per cent of the plants that have survived past the seedling stage may succumb during any one year of their remaining life. Typical perennial plants of this group are many of the pines, which are quite susceptible in the seedling stage, a half or more succumbing at this time. The older plants are less susceptible and do not die rapidly from root rot, yet some of them succumb from year to year so that eventually only about one-tenth to two-tenths of those that survive the seedling stage may reach maturity. The continued loss in this way of trees of this group may make them undesirable in root-rot areas even though these plants succumb to the disease rather slowly.

Highly susceptible plants, designated by "+++", include annuals and perennials of which approximately 30 to 80 per cent of plants exposed to root rot will die during the year. Old as well as young plants in this group are susceptible to root rot. Trees in this group rarely survive for many years when exposed to the disease.

Extremely susceptible plants, designated by "++++", include annuals of which 80 to 100 per cent will succumb rapidly to the disease during the year, and perennials of which 60 to 100 per cent may succumb during any one year.

These ratings are summarized in tabular form below:

Ratings	Annual plants. Percentage succumb- ing to root rot during the year	Perennial plants		
		Loss during seedling stage	Loss during any succeeding year after seedling stage	Total percentage likely to succumb before maturity
—	0	None	0	0
+	0-5%	Slight	0-2%	0-10%
++	5-30%	Considerable	10-30%	50-90%
+++	30-80%	Heavy	30-80%	90-100%
++++	80-100%	Heavy	60-100%	100%

It should be pointed out that the symbols used in the present list do not have the same meaning as symbols used in various earlier root-rot lists. Therefore the ratings given in previous lists should not be compared with those given here unless note is made of the differences in definition of symbols in the various publications. Some ratings in earlier lists have been changed in the present list to agree with our present information.¹

Discussion: It has already been pointed out (18, 19, 9) that root rot is indigenous on native plants throughout the root-rot area. A wide range of native plants, listed with "+" and "++" ratings, are somewhat susceptible to the disease and act as "passive carriers." Such plants may survive for some time after portions of their root systems are infected, thus insuring survival of *Phymatotrichum omnivorum* on the roots. Under such conditions, the disease is usually not noticed. When the land is planted to a susceptible crop, however, root rot starts from the surviving roots of the native vegetation and spreads rapidly along the more susceptible roots of the crop plants. In cultivated fields, weeds may continue to play an important part in aiding survival of the fungus during fallow periods. The fungus may overwinter on roots of weeds that grow through the winter, and spread from these roots to roots of succeeding susceptible crops (17).

A summary of the entire list by families, to show differences in the relative susceptibility of large groups of plants to root rot, is given in Table 1. For each of the 131 families, this summary gives the number of species that have been assigned root-rot ratings indicating the various degrees of susceptibility or resistance.

The outstanding feature of the list is the immunity of the monocotyledonous plants to the disease. This was confirmed experimentally by repeated and extensive inoculation of a variety of monocotyledonous plants (20) which nevertheless remained free of any symptoms of the disease. The

¹In the present and in previous lists, watermelon has been considered resistant to root rot. In Texas, watermelons are not grown commercially in root-rot areas, and the disease very rarely attacks watermelons grown in home garden plantings in such areas. Butler (4) has reported the disease as attacking four varieties of watermelons grown in Arizona.

immunity of Monocotyledoneae appears to be due to the presence in roots of these plants of a relatively high concentration of some substance that inhibits growth of the root-rot fungus (6, 7).

Within the susceptible dicotyledonous group, there are interesting variations in the reactions of families. Most of the Cruciferae are immune or highly resistant. Other families, such as Malvaceae and Euphorbiaceae, are quite generally susceptible. In other families, appear all stages between extreme susceptibility and almost complete immunity. In the Leguminosae, for instance, the black locust is very susceptible, while the retama (*Parkinsonia aculeata*) is resistant or immune. Similarly, in the Moraceae the fig is extremely susceptible, while the Osage orange is highly resistant.

Of the Gymnospermae listed, not one is immune to root-rot. Most of the gymnosperms, such as pines, firs, and larches, are at least moderately susceptible. A few cedars and arborvitaes are relatively resistant.

The entire list includes 2,116 plants. Of these, only 408, or about 19 per cent, are immune to the disease. Plants susceptible (excluding only those immune) number 1708, or about 81 per cent. Dividing the list in another way, the three more susceptible groups, of moderately to extremely susceptible plants, include 1305 plants or about 62 per cent of the total. That is, about one-fifth of the plants listed are immune to root rot, another fifth are resistant, and the remaining three-fifths are definitely susceptible.

TABLE 1. Summary, by families, of the relative resistance or susceptibility to root rot of plants given in the list.

Families, classes, etc.	Number of entries	Number of entries listed as:				
		Extremely susceptible ++++	Highly susceptible +++	Moderately susceptible ++	Resistant +	Immune —
Total of entire list (as percentage)	2116 (100%)	54 (2.6%)	375 (17.7%)	876 (41.5%)	403 (19.1%)	408 (19.3%)
Gymnospermae	87	1	15	59	12	
Ginkgoaceae	1	1				
Taxaceae	6		1	4	1	
Pinaceae	80		14	55	11	
Angiospermae	2029	53	360	817	391	408
Monocotyledoneae	224					224
Typhaceae	2					2
Alismaceae	2					2
Gramineae	48					48
Cyperaceae	4					4
Palmaceae	10					10
Araceae	16					16
Commelinaceae	13					13
Pontederiaceae	1					1
Juncaceae	2					2
Liliaceae	85					85
Amaryllidaceae	19					19
Dioscoreaceae	1					1
Iridaceae	14					14
Zingiberaceae	3					3
Cannaceae	2					2
Marantaceae	2					2
Dicotyledoneae	1805	53	360	817	391	184
Saururaceae	1					1
Salicaceae	19	8	11			
Myricaceae	3			1	2	
Juglandaceae	11	1	3	1	6	
Betulaceae	14		8	6		
Fagaceae	31	2	5	23	1	
Urticaceae	6		1	3	2	
Ulmaceae	9	1	4		4	
Moraceae	11	4	4		3	
Proteaceae	1		1			
Aristolochiaceae	1			1		
Polygonaceae	25	1	2	13	9	
Chenopodiaceae	27	1	7	17	2	
Basellaceae	1			1		
Amaranthaceae	26			7	15	4
Nyctaginaceae	22	1	7	12	2	
Phytolaccaceae	3				3	
Aizoaceae	3				3	
Portulacaceae	9			6		
Caryophyllaceae	26				24	2
Ranunculaceae	42	1	3	2	32	4
Berberidaceae	12		1	4	7	
Menispermaceae	2			1	1	
Magnoliaceae	3		1	2		
Annonaceae	2		1	1		
Lauraceae	5		2	3		
Papaveraceae	10			4	6	
Fumariaceae	4			1	3	
Cruciferae	45	1		5	12	27
Resedaceae	2					2
Sarraceniacae	2					2
Saxifragaceae	26		4	10	10	2
Pittosporaceae	2			2		
Hamamelidaceae	3		2	1		
Platanaceae	1				1	
Rosaceae	70	2	23	33	10	2
Leguminosae	171	6	29	90	40	6
Geraniaceae	9					9
Oxalidaceae	7					7
Tropaeolaceae	2					2
Linaceae	8		1	7		
Zygophyllaceae	3			1	2	
Rutaceae	16		4	6	5	1

TABLE 1. Summary, by families, of the relative resistance or susceptibility to root rot of plants given in the list. (Continued)

Families, classes, etc.	Number of entries	Number of entries listed as:				
		Extremely susceptible ++++	Highly susceptible +++	Moderately susceptible ++	Resistant +	Immune —
Simarubaceae	1		1			
Meliaceae	3	2			1	
Malpighiaceae	1				1	
Polygalaceae	2				2	
Euphorbiaceae	53		28	25		
Buxaceae	1			1		
Anacardiaceae	15		4	11		
Aquifoliaceae	10				7	3
Celastraceae	7			6	1	
Aceraceae	13		5	8		
Hippocastanaceae	7		1	6		
Sapindaceae	6	1	3	2		
Balsaminaceae	1					1
Rhamnaceae	7	1	1	3	2	
Vitaceae	22		5	14	3	
Tiliaceae	2		2			
Malvaceae	94	6	66	21	1	
Sterculiaceae	2		2			
Theaceae	1				1	
Hypericaceae	1				1	
Tamaricaceae	8		1	5	2	
Fouquieriaceae	1				1	
Cistaceae	3				3	
Violaceae	4					4
Passifloraceae	5			5		
Caricaceae	1		1			
Loasaceae	3			2	1	
Begoniaceae	1					1
Cactaceae	22			22		
Elaeagnaceae	3			1	2	
Lythraceae	2			2		
Punicaceae	1				1	
Myrtaceae	2		1	1		
Onagraceae	18		1	9	8	
Araliaceae	4		1	3		
Umbelliferae	37		10	22	5	
Cornaceae	9	5	2	1	1	
Ericaceae	14		2	8	1	3
Primulaceae	11			1	9	1
Plumbaginaceae	2				2	
Sapotaceae	2		1	1		
Ebenaceae	3		1	2	1	
Styracaceae	3				1	
Oleaceae	49	2	17	30		
Loganiaceae	5		3	1	1	
Gentianaceae	4				4	
Apocynaceae	7				2	3
Asclepiadaceae	20		5	15		
Convolvulaceae	31	1	12	18		
Polemoniaceae	11			2	5	4
Hydrophyllaceae	9			1	4	4
Boraginaceae	18			5	13	
Verbenaceae	28			6	11	11
Labiatae	57				10	47
Solanaceae	44		5	34	4	1
Scrophulariaceae	29		2	11	9	7
Bignoniaceae	8		5	3		
Pedaliaceae	1				1	
Martyniaceae	2			1	1	
Acanthaceae	11		1	7	3	
Plantaginaceae	8			3	5	
Rubiaceae	13		1	7	5	
Caprifoliaceae	26		3	16	5	2
Valerianaceae	3				3	
Dipsacaceae	3			2	1	
Cucurbitaceae	20				4	16
Campanulaceae	5		1	4		
Lobeliaceae	7			5	2	
Compositae	282	6	42	197	32	5

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.

(Symbols used to express ratings are explained on pages 6 to 8)

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
GYMNOSPERMAE			ANGIOSPERMAE		
GINKGOACEAE			MONOCOTYLEDONEAE		
<i>Ginkgo (Salisburia)</i>			TYPHACEAE		
<i>biloba</i>	Maidenhair tree	++++	<i>Typha angustifolia</i>	Narrowleaf cattail	—
TAXACEAE			<i>T. latifolia</i>	Cattail	—
<i>Podocarpus elongata</i>	Podocarpus	+	ALISMACEAE		
<i>Taxus baccata</i>	English yew	++	<i>Sagittaria graminea</i>	Arrowleaf, water potato	—
<i>T. canadensis</i>	Ground hemlock	++	<i>S. lancifolia</i>	Arrowleaf, water potato	—
<i>T. chinensis</i>	Chinese yew	++	GRAMINEAE		
<i>T. cuspidata</i>	Japanese yew	++	<i>Agropyron repens</i>	Couch grass, quackgrass	—
<i>Torreya californica</i>	Californian nutmeg	++	<i>Agrostis retrofracta</i>	Bentgrass	—
PINACEAE			<i>Andropogon virginicus</i>	Broomsedge	—
<i>Abies alba</i>	Silver fir	++	<i>Avena fatua</i>	Wild oats	—
<i>A. amabilis</i>	Cascade fir	++	<i>A. sativa</i>	Oats	—
<i>A. balsamea</i>	Balsam fir	++	<i>Bambusa spp.</i>	Bamboo	—
<i>A. cephalonica</i>	Greek fir	++	<i>Bromus inermis</i>	Smooth brome	—
<i>A. concolor</i>	White fir	++	<i>B. secalinus</i>	Chess, cheat	—
<i>A. grandis</i>	Giant fir	++	<i>Cenchrus pauciflorus</i>	Sandbur	—
<i>Araucaria brasiliana</i>	Brazilian araucaria	++	<i>Chloris gayana</i>	Rhodes grass	—
<i>A. excelsa</i>	Norfolk-island-pine	++			
<i>Callitris rhomboidea</i>	Cypress-pine	++			
<i>C. robusta</i>	Cypress-pine	++			
<i>Cedrus atlantica</i>	Atlas cedar	++			
<i>C. libanotica</i>	Cedar of Lebanon	++			
<i>Chamaecyparis (Cupressus)</i>					
<i>nootkatensis</i>	Alaska cedar, Nootka cypress	++			
<i>C. obtusa gracilis</i>	Hinoki cypress	++			
<i>C. obtusa nana</i>	Dwarf Hinoki cypress	++			
<i>C. thyoides</i>	White cedar	++			
<i>Cupressus arizonica</i>	Arizona cypress	++			
<i>C. arizonica bonita</i>	Smooth cypress	++			
<i>C. lusitanica</i>	Portuguese cypress	++			
<i>C. macnabiana</i>	Macnab cypress	++			
<i>C. macrocarpa</i>	Monterey cypress	++			
<i>C. sempervirens stricta</i>	Italian cypress	++			
<i>Juniperus chinensis</i>	Chinese Juniper	++			
<i>J. chinensis pfitzeriana</i>	Pfitzer juniper	++			
<i>J. communis</i>	Common juniper	++			
<i>J. communis aurea</i>	Golden juniper	++			
<i>J. communis depressa</i>	Prostrate juniper	++			
<i>J. mexicana</i>	Mountain cedar	++			
<i>J. pachyphloea</i>	Alligator juniper	++			
<i>J. procumbens</i>	Trailing juniper	++			
<i>J. sabina horizontalis</i>	Trailing juniper	++			
<i>J. sabina prostrata</i>	Creeping juniper	++			
<i>J. scopulorum</i>	Rocky Mountain juniper	++			
<i>J. virginiana</i>	Red cedar	++			
<i>Larix decidua</i>	European larch	++			
<i>L. kaempferi</i>	Japanese larch	++			
<i>L. laricina</i>	American larch, tamarack	++			
<i>Libocedrus decurrens</i>	Incense-cedar	++			
<i>Picea abies</i>	Norway spruce	++			
<i>P. abies pyramidata</i>	Pyramidal spruce	++			
<i>P. engelmanni</i>	Engelmann spruce	++			
<i>P. glauca</i>	White spruce	++			
<i>P. koyamai</i>	Japanese spruce	++			
<i>P. polita</i>	Tigertail spruce	++			
<i>P. pungens</i>	Colorado spruce	++			
<i>P. rubra</i>	Red spruce	++			
<i>Pinus banksiana</i>	Jack pine	++			
<i>P. caribaea</i>	Slash pine	++			
<i>P. cembroides edulis</i>	Pinon pine	++			
<i>P. clausa</i>	Scrub pine, sand pine	++			
<i>P. densiflora</i>	Japanese red pine	++			
<i>P. echinata</i>	Shortleaf pine	++			
<i>P. flexilis</i>	Limber pine	++			
<i>P. glabra</i>	Spruce pine	++			
<i>P. jeffreyi</i>	Jeffrey pine	++			
<i>P. mugo</i>	Mountain pine	++			
<i>P. mugo mughus</i>	Dwarf mountain pine	++			
<i>P. nigra</i>	Austrian pine	++			
<i>P. palustris</i>	Longleaf pine	++			
<i>P. pinea</i>	Italian stone pine	++			
<i>P. ponderosa</i>	Western yellow pine	++			
<i>P. resinosa</i>	Red pine	++			
<i>P. rigida serotina</i>	Black pine, pond pine	++			
<i>P. strobiformis</i>	Mexican white pine	++			
<i>P. strobus</i>	White pine	++			
<i>P. sylvestris</i>	Scotch pine	++			
<i>P. tabulaeformis</i>	Chinese pine	++			
<i>P. taeda</i>	Loblolly pine	++			
<i>Pseudotsuga taxifolia</i>	Douglas fir	++			
<i>Sequoia gigantea pendulata</i>	Weeping giant redwood	++			
<i>S. sempervirens glauca</i>	Blue redwood	++			
<i>Taxodium distichum</i>	Bald cypress	++			
<i>T. mucronatum</i>	Montezuma cypress	++			
<i>Thuja occidentalis</i>	American arborvitae	++			
<i>T. occidentalis douglasii, pyramidalis</i>	Douglas pyramidal arborvitae	++			
<i>T. occidentalis robusta</i>	Ware arborvitae	++			
<i>T. orientalis</i>	Oriental arborvitae	++			
<i>T. plicata</i>	Giant arborvitae	++			
<i>Tsuga caroliniana</i>	Carolina hemlock	++			
<i>T. diversifolia</i>	Japanese hemlock	++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>Cortaderia selloana</i>	Pampas-grass	—	<i>W. robusta</i>	Mexican Washington palm	—
<i>Cynodon (Capriola) dactylon</i>	Bermuda grass	—	ARACEAE		
<i>Digitaria (Syntherisma) ischaemum</i>	Smooth crabgrass	—	<i>Acorus calamus</i>	Sweetflag	—
<i>D. sanguinalis</i>	Crabgrass	—	<i>Arisaema (Muricauda) dracontium</i>	Dragonroot	—
<i>Echinochloa crusgalli</i>	Barnyard grass	—	<i>A. triphyllum</i>	Jack-in-the-pulpit	—
<i>Euchlaena mexicana</i>	Teosinte	—	<i>Caladium bicolor</i>	Caladium	—
<i>E. perennis</i>	Mexican teosinte	—	<i>Colocasia antiquorum</i>	Elephants-ear	—
<i>Festuca elatior</i>	Meadow fescue	—	<i>C. antiquorum</i>	Elephants-ear	—
<i>Hilaria belangeri</i>	Curly mesquite grass	—	<i>C. fontanesii</i>	Elephants-ear, dasheen, taro	—
<i>Hordeum jubatum</i>	Squirrel-tail grass, foxtail barley	—	<i>C. esculenta</i>	Devilstongue	—
<i>H. vulgare</i>	Barley	—	<i>Hydrosme rivieri</i>	Devilstongue	—
<i>Lolium perenne</i>	Perennial ryegrass	—	<i>Lysichiton camtschatensis</i>	Yellow skunk-cabbage	—
<i>L. temulentum</i>	Darnel	—	<i>Peltandra virginica</i>	Arrow-arum	—
<i>Oryza sativa</i>	Rice	—	<i>Schismatoglottis (Colocasia) neo-guineensis</i>	Spotted caladium	—
<i>Panicum capillare</i>	Witchgrass	—	<i>Symplocarpus (Spathepema) foetidus</i>	Skunk-cabbage	—
<i>P. miliaceum</i>	Broomcorn millet	—	<i>Zantedeschia aethiopica</i>	Common calla	—
<i>Paspalum distichum</i>	Knotgrass	—	<i>Z. albomaculata</i>	Spotted calla	—
<i>Phyllostachys aurea</i>	Golden bamboo	—	<i>Z. eliotiana</i>	Golden calla	—
<i>P. nigra</i>	Blackjoint bamboo	—	<i>Z. rehmannii</i>	Pink calla	—
<i>P. reticulata</i>	Japanese timber bamboo	—	COMMELINACEAE		
<i>Saccharum officinarum</i>	Sugarcane	—	<i>Commelina angustifolia</i>	Dayflower	—
<i>Secale cereale</i>	Rye	—	<i>C. nudiflora</i>	Creeping dayflower	—
<i>Setaria (Chaetochloa) italica</i>	Foxtail millet, Hungarian millet	—	<i>C. tuberosa</i>	Dayflower	—
<i>S. lutescens</i>	Pigeon grass, yellow bristlegrass	—	<i>Palisota barteri</i>	Palisota	—
<i>S. palmifolia</i>	Palmgrass	—	<i>Rhoeo (Tradescantia) discolor</i>	Boat-lily	—
<i>S. viridis</i>	Green foxtail, green bristlegrass	—	<i>Tinantia fugax</i>	Tinantia	—
<i>Sorghum (Holcus) halepense</i>	Johnson grass	—	<i>Tradescantia bracteata</i>	Bracted spiderwort	—
<i>S. vulgare</i>	Sorghum	—	<i>T. fluminensis</i>	Wandering Jew	—
<i>S. vulgare cafrorum</i>	Kafir	—	<i>T. humilis</i>	Spiderwort, grass violets	—
<i>S. vulgare durra</i>	Durra	—	<i>T. lanceolata</i>	Spiderwort, grass violets	—
<i>S. vulgare roxburghii</i>	Shallu	—	<i>T. micrantha</i>	Spiderwort, grass violets	—
<i>S. vulgare saccharatum</i>	Sorgo	—	<i>T. reflexa</i>	Spiderwort, grass violets	—
<i>S. vulgare sudanense</i>	Sudan grass	—	<i>T. virginiana</i>	Common spiderwort	—
<i>S. vulgare technicum</i>	Broomcorn	—	PONTEDERIACEAE		
<i>Triticum aestivum</i>	Wheat	—	<i>Pontederia cordata</i>	Pickereelweed	—
<i>T. dicoccum</i>	Emmer	—	JUNCACEAE		
<i>T. spelta</i>	Spelt	—	<i>Juncus effusus</i>	Common rush	—
<i>Zea mays</i>	Corn	—	<i>J. tenuis</i>	Slender rush	—
CYPERACEAE			LILIACEAE		
<i>Carex crinita</i>	Sedge	—	<i>Agapanthus africanus</i>	African-lily	—
<i>Cyperus alternifolius</i>	Umbrella plant	—	<i>Aletris farinosa</i>	Stargrass	—
<i>C. esculentus</i>	Chufa	—	<i>Allium ascalonicum</i>	Shallot	—
<i>C. rotundus</i>	Nut grass	—	<i>A. canadense</i>	Wild onion	—
PALMACEAE					
<i>Phoenix canariensis</i>	Canary date palm	—			
<i>P. dactylifera</i>	Date palm	—			
<i>P. pusilla</i>	Ceylon date palm	—			
<i>P. rupicola</i>	Cliff date palm	—			
<i>Sabal exul</i>	Victoria palmetto	—			
<i>S. palmetto</i>	Palmetto	—			
<i>S. texana</i>	Texas palmetto	—			
<i>Serenoa repens (serrulata)</i>	Saw-palmetto	—			
<i>Washingtonia filifera</i>	California Washington palm	—			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
A. cepa	Onion		Nothoscordum bivalve	Crowpoison, false garlic	
A. porrum	Leek		N. fragrans	Crowpoison, false garlic	
A. sativum	Garlic		Ornithogalum umbellatum	Star-of-Bethlehem	
A. tricoccum	Wild leek		Polygonatum bifidum	Solomonseal	
A. vineale	Wild garlic		P. multiflorum	Solomonseal	
Aloe ciliaris	Aloe		Scilla hispanica	Spanish bluebell, squill	
Amiantum muscaetoxicum	Fly-poison		Smilacina amplexicaulis	False solomonseal	
Androstephium caeruleum	Wild hyacinth		Smilax bona-nox	China-brier, green-brier	
Anthericum liliago	St.-Bernard-lily		S. glauca	Saw-brier, green-brier	
Asparagus asparagoides	Smilax asparagus		S. hispida	Bristly greenbrier	
A. officinalis	Asparagus		S. lanceolata	Jacksonbrier, green-brier	
A. plumosus	Fern asparagus		S. rotundifolia	Greenbrier, horse-brier	
Asphodeline balansae	Jacobs-rod		Trillium undulatum	Trillium	
Aspidistra elatior	Aspidistra		Tulipa gesneriana	Tulip	
Beaucarnea recurvata	Beaucarnea		Uvularia (Oakesia) sessilifolia	Bellwort	
Bloomeria crocea	Golden-stars		Yucca aloifolia	Spanish bayonet	
Brodiaea capitata	Blue-dicks		Y. brevifolia	Joshua-tree	
B. laxa	Triplet-lily		Y. constricta	Yucca	
Calochortus monophyllus	Yellow star-tulip		Y. elata	Palmilla, soapweed	
C. nuttallii	Sago-lily		Y. filamentosa	Common yucca	
Camassia (Quamasia) esculenta	Camass, wild hyacinth		Y. rupicola	Beargrass	
Clintonia umbellata	Clintonia		Y. tenuistyla	Beargrass	
Convallaria majalis	Lily-of-the-valley		Y. treculeana	Spanish dagger, pita	
Cordylone terminalis	Dracena		Zygadenus (Aniclea) elegans	Zygadenus lily, white-camas	
Dasylyron texanum	Sotol, saw yucca		Z. nuttallii	Zygadenus lily, death-camas	
D. wheeleri	Sotol, saw yucca				
Disporum lanuginosum	Fairy bells				
Dracaena fragrans	Dracena				
Erythronium albidum	Adder's tongue, white troutlily				
E. americanum	Common troutlily				
Fritillaria meleagris	Checkered-lily, fritillary				
Helonias bullata	Swamp-pink				
Hemerocallis aurantiaca	Orange daylily				
H. citrina	Yellow daylily				
H. dumortierii	Narrow dwarf daylily				
H. flava	Tall yellow daylily				
H. fulva	Tawny daylily				
Hesperaloe parviflora	Hesperaloe				
Hyacinthus orientalis	Common hyacinth				
Kniphofia tricolor	Poker-plant, torch-lily				
Lapageria rosea	Chile-bells				
Leucocrinum montanum	Starlily				
Lilium bolanderi	Thimble lily				
L. canadense	Meadow lily				
L. candidum	Madonna lily				
L. dauricum	Candlestick lily				
L. leucanthum	Chinese white lily				
L. longiflorum	White trumpet lily				
L. pardalinum	Leopard lily				
L. pavum	Sierra lily				
L. tigrinum	Tiger lily				
Melanthium virginicum	Bunchflower				
Milla biflora	Mexican star				
Muscari comosum	Grape-hyacinth				
monastrosium					
Nolina lindheimeriana	Basket grass				
N. microcarpa	Basket grass				

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
IRIDACEAE			MYRICACEAE		
<i>Crocus</i> spp.	Crocus	—	<i>Myrica californica</i>	California bayberry	+
<i>Freesia refracta</i>	Freesia	—	<i>M. cerifera</i>	Waxmyrtle	++
<i>F. refracta alba</i>	Freesia	—	<i>M. rubra</i>	Bayberry	++
<i>Gladiolus</i> spp.	Gladiolus	—	JUGLANDACEAE		
<i>Iris hexagona</i>	Wild iris	—	<i>Carya (Hicoria) alba</i>	White hickory,	+
<i>I. laevigata</i>	Japanese iris	—		mockernut	+
<i>I. missouriensis</i>	Rocky Mountain iris	—	<i>C. aquatica</i>	Bitter pecan	+
<i>I. versicolor</i>	Blueflag iris	—	<i>C. buckleyi</i>	Black hickory	+
<i>I. xiphium</i>	Spanish iris	—	<i>C. cordiformis</i>	Bitternut hickory	+
<i>Nemastylis acuta</i>	Celestials	—	<i>C. laciniosa</i>	Big shellbark	+
<i>Schizostylis coccinea</i>	Crimson flag	—		hickory	+
<i>Sisyrinchium angustifolium</i>	Blue-eyed-grass	—	<i>C. ovata</i>	Shellbark or shag-	+
<i>S. minus</i>	Dwarf blue-eyed-grass	—		bark hickory	+
<i>S. varians</i>	Blue-eyed-grass	—	<i>C. pecan</i>	Pecan	+++
ZINGIBERACEAE			<i>Juglans nigra</i>	Black walnut	+++
<i>Alpinia speciosa</i>	Shellflower	—	<i>J. regia</i>	English or Persian walnut	+++
<i>Hedychium coronarium</i>	Gingerlily, garland-flower	—	<i>J. rupestris</i>	Mexican walnut	+++
<i>Zingiber officinale</i>	Ginger	—	<i>J. sieboldiana</i>	Japanese walnut	+++
CANNACEAE			BETULACEAE		
<i>Canna edulis</i>	Edible canna	—	<i>Ainus crispa</i>	American green alder	+++
<i>C. indica</i>	Canna	—	<i>A. glutinosa (vulgaris)</i>	Black alder	+++
MARANTACEAE			<i>A. rubra</i>	Red alder	+++
<i>Calathea zebrina</i>	Zebra plant	—	<i>A. rugosa</i>	Smooth alder	+++
<i>Maranta arundinacea</i>	Arrowroot	—	<i>A. tenuifolia</i>	Mountain alder	+++
DICOTYLEDONEAE			<i>Betula alba</i>	White birch	++
SAURURACEAE			<i>B. lenta</i>	Sweet birch	++
<i>Saururus cernuus</i>	Lizards-tail	—	<i>B. lutea</i>	Yellow birch	++
SALICACEAE			<i>B. nigra</i>	River or red birch	+++
<i>Populus acuminata</i>	Smoothbark cottonwood	+++	<i>B. populifolia</i>	Gray birch	+++
<i>P. angulata</i>	Carolina cottonwood	+++	<i>Carpinus caroliniana</i>	Blue beech, hornbeam	++
<i>P. angustifolia</i>	Narrowleaf cottonwood	+++	<i>Corylus americana</i>	American hazelnut	+++
<i>P. balsamifera</i>	Balsam poplar	+++	<i>C. maxima</i>	Hazelnut, filbert	+++
<i>P. canadensis eugenei</i>	Carolina poplar	+++	<i>Ostrya virginiana</i>	Hop-hornbeam	++
<i>P. deltoides virginiana</i>	Southern cottonwood	+++	FAGACEAE		
<i>P. heterophylla</i>	Swamp cottonwood	+++	<i>Castanea crenata</i>	Japanese chestnut	+++
<i>P. nigra</i>	Black poplar	+++	<i>C. dentata</i>	Chestnut	+++
<i>P. nigra italica</i>	Lombardy poplar	+++	<i>C. floridana</i>	Florida chinquapin	+++
<i>Salix alba</i>	White willow	+++	<i>C. pumila</i>	Chinquapin	+++
<i>S. babylonica</i>	Weeping willow	+++	<i>C. sativa</i>	Spanish chestnut	+++
<i>S. discolor</i>	Pussy willow	+++	<i>Fagus grandifolia</i>	American beech	++
<i>S. humilis</i>	Prairie willow	+++	<i>F. sieboldii</i>	Japanese beech	++
<i>S. laevigata</i>	Red willow	+++	<i>Quercus alba</i>	White oak	++
<i>S. marginata</i>	Gulf willow	+++	<i>Q. cinerea</i>	Bluejack oak	++
<i>S. nigra</i>	Black willow	+++	<i>Q. coccinea</i>	Scarlet oak	++
<i>S. purpurea</i>	Purple osier	+++	<i>Q. dentata</i>	Daimyo oak	++
<i>S. viminalis</i>	Common osier	+++	<i>Q. durandii</i>	Durand white oak	++
<i>S. vitellina</i>	Golden willow	+++	<i>Q. emoryi</i>	Emory oak	++
			<i>Q. ilicifolia</i>	Scrub oak	++
			<i>Q. lyrata</i>	Overcup oak	++
			<i>Q. macrocarpa</i>	Burr oak	++
			<i>Q. marilandica</i>	Blackjack oak	++
			<i>Q. mohriana</i>	Shin oak	++
			<i>Q. mongolica</i>	Mongolian oak	++
			<i>Q. muhlenbergii</i>	Chinquapin oak	++
			<i>Q. nigra</i>	Water oak	++
			<i>Q. palustris</i>	Pin oak	++
			<i>Q. phellos</i>	Willow oak	++
			<i>Q. prinoides</i>	Dwarf chinquapin oak	++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>Q. prinus</i>	Chestnut oak,		<i>P. lapathifolium</i>	Water smartweed...	++
	basket oak.....	++	<i>P. mexicana</i>	Smartweed.....	++
<i>Q. rubra</i>	Spanish oak.....	++	<i>P. pennsylvanicum</i>	Knotweed.....	++
<i>Q. shumardii</i>	Red oak, spotted oak.....	++	<i>P. persicaria</i>	Lady's-thumb.....	++
<i>Q. stellata</i>	Post oak.....	++	<i>P. sagittatum</i>	Arrow vine.....	+
<i>Q. texana</i>	Texas red oak.....	++	<i>P. scandens</i>	Climbing false buckwheat.....	++
<i>Q. velutina</i>	Black oak.....	++	<i>P. virginianum</i>	Jump seed.....	++
<i>Q. virginiana</i>	Live oak.....	+	<i>Rheum raphaniticum</i>	Rhubarb.....	+++
URTICACEAE			<i>Rumex acetosa</i>	Tail sorrel.....	+
<i>Boehmeria cylindrica</i>	Button hemp.....	++	<i>R. acetosella</i>	Sheep sorrel.....	+
<i>B. drummondiana</i>	Bog hemp.....	+	<i>R. alissimus</i>	Pale dock.....	+++
<i>Parietaria pennsylvanica</i>	Hammerwort, pellitory.....	+	<i>R. berlandieri</i>	Dock.....	+++
<i>Urtica</i>			<i>R. crispus</i>	Yellow dock.....	+++
<i>U. chamaedryoides</i>	Stinging nettle.....	++	<i>R. hymenosepalus</i>	Canaigre.....	+++
<i>U. dioica</i>	Stinging nettle.....	++	<i>R. mexicanus</i>	Dock.....	+++
<i>U. gracilis</i>	Slender nettle.....	+++	<i>R. obtusifolius</i>	Bitter dock.....	++
			<i>R. pulcher</i>	Fiddle dock.....	++
			<i>R. verticillatus</i>	Swamp dock.....	++
ULMACEAE			CHENOPODIACEAE		
<i>Celtis sinensis</i>	Chinese hackberry.....	+	<i>Atriplex</i>		
<i>C. laevigata</i>	Southern hackberry, sugarberry.....	+	<i>acanthocarpa</i>	Salt bush.....	++
<i>C. occidentalis</i>	Hackberry, beaver-wood.....	+	<i>A. arenaria</i>	Beach orach.....	++
<i>Ulmus alata</i>	Winged elm.....	+++	<i>A. canescens</i>	Shad scale, chamiso.....	++
<i>U. americana</i>	American elm.....	+++	<i>A. hortensis</i>	Orach.....	++
<i>U. crassifolia</i>	Cedar elm.....	+	<i>A. lentiformis</i>	Quail-bush.....	+
<i>U. fulva</i>	Red or slippery elm.....	+++	<i>A. oppositifolia</i>	Orach.....	++
<i>U. parvifolia</i>	Chinese elm.....	+++	<i>A. patula</i>	Spreading orach.....	++
<i>U. racemosa</i>	Rock elm.....	+++	<i>A. patula hastata</i>	Halberd-leaved orach.....	++
MORACEAE			<i>Beta vulgaris</i>	Garden beet.....	+++
<i>Broussonetia papyrifera</i>	Paper-mulberry.....	+++	<i>B. vulgaris</i>	Sugar beet.....	+++
<i>Cannabis sativa</i>	Hemp.....	+++	<i>B. vulgaris cicla</i>	Swiss chard.....	+++
<i>Ficus carica</i>	Fig.....	+++	<i>B. vulgaris</i>		
<i>F. elastica</i>	Rubber-plant.....	+++	<i>macrorrhiza</i>	Mangel-wurzel.....	+++
<i>F. sycamorus</i>	Sycamore fig.....	+	<i>Camphorosma monspeliaca</i>	Camphorosma.....	+++
<i>Maclura (Toxylon) pomifera</i>	Osage-orange, bois d'arc.....	+	<i>Chenopodium albescent</i>	Goosefoot.....	++
<i>Morus alba</i>	White mulberry.....	+++	<i>C. album</i>	Pigweed, lamb's-quarters.....	++
<i>M. alba pendula</i>	Weeping mulberry.....	+++	<i>C. ambrosioides</i>	Mexican-tea, wormseed.....	++
<i>M. alba tatarica</i>	Russian mulberry.....	+++	<i>C. boscinum</i>	Goosefoot.....	++
<i>M. nigra</i>	Black mulberry.....	+++	<i>C. glaucum</i>	Oak-leaved goosefoot.....	+++
<i>M. rubra</i>	Red mulberry.....	+++	<i>C. leptophyllum</i>	Goosefoot.....	++
PROTEACEAE			<i>C. murale</i>	Goosefoot.....	++
<i>Grevillea robusta</i>	Silk-oak.....	+++	<i>C. vulvaria</i>	Stinking goosefoot.....	++
ARISTOLOCHACEAE			<i>Cycloloma atriplicifolium</i>	Winged pigweed.....	++
<i>Aristolochia elegans</i>	Calico-flower.....	++	<i>Kochia scoparia</i>	Summer-cypress, belvedere.....	++
POLYGONACEAE			<i>K. scoparia trichophylla</i>	Summer-cypress, Mexican fire-bush.....	++
<i>Eriogonum annuum</i>	Wild buckwheat.....	++	<i>Salicornia perennis</i>	Glasswort.....	+
<i>E. longifolium</i>	Wild buckwheat.....	+	<i>Salsola pestifer (kali tenuifolia)</i>	Russian thistle.....	+++
<i>E. multiflorum</i>	Wild buckwheat.....	+	<i>Spinacea oleracea</i>	Spinach.....	+
<i>Muehlenbeckia complexa</i>	Wire vine.....	+	BASELLACEAE		
<i>Polygonum (Persicaria) acre</i>	Water smartweed.....	++	<i>Boussingaultia baselloides</i>	Madeira-vine.....	++
<i>P. convolvulus</i>	Black bindweed.....	++			
<i>P. hydropiper</i>	Smartweed, water pepper.....	+			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
AMARANTHACEAE			PHYTOLACCACEAE		
<i>Acanthochiton wrightii</i>	Acanthochiton.....	++	<i>Phytolacca americana</i> (decandra).....	Pokeberry, ink-berry, pokeweed.....	+
<i>Acnida australis</i>	Southern water-hemp.....	++	<i>P. rigida</i>	Pokeberry, ink-berry, pokeweed.....	+
<i>A. cannabina</i>	Whitish water-hemp.....	++	<i>Rivina humilis</i>	Pokeberry, inkberry.....	+
<i>A. tamariscina</i>	Careless-weed.....	+	AIZOACEAE		
<i>A. tuberculata</i>	Western water-hemp.....	+	<i>Mollugo verticillata</i>	Carpetweed, Indian chickweed.....	+
<i>Alternanthera (Achyranthes) bettzickiana</i>	Chaff-flower.....	+	<i>Sesuvium portulacastrum</i>	Sand-dune weed.....	+
<i>A. repens</i>	Chaff-flower.....	++	<i>Tetragonia expansa</i>	New Zealand spinach.....	+
<i>Amaranthus blitoides</i>	Spreading pigweed.....	++	PORTULACACEAE		
<i>A. caudatus</i>	Love-lies-bleeding.....	++	<i>Claytonia caroliniana</i>	Wide-leaf spring beauty.....	+
<i>A. graecizans (albus)</i>	Tumbleweed.....	+	<i>C. virginica</i>	Spring beauty.....	++
<i>A. hybridus</i>	Pigweed.....	+	<i>Portulaca grandiflora</i>	Portulaca, rose-moss.....	++
<i>A. hybridus hypochondriacus</i>	Princesfeather.....	+	<i>P. oleracea</i>	Purslane.....	++
<i>A. paniculatus cruentus</i>	Blood amaranth.....	+	<i>P. pilosa</i>	Portulaca, flowering-moss.....	++
<i>A. retroflexus</i>	Rough pigweed.....	+	<i>Talinum aurantiacum</i>	Flame flower.....	+
<i>A. spinosus</i>	Spiny amaranth.....	+	<i>T. lineare</i>	Flame flower.....	++
<i>A. tricolor</i>	Josephs-coat.....	+	<i>T. paniculatum</i>	Rock portulaca.....	++
<i>Celosia argentea</i>	Cockscomb.....	+	<i>T. parviflorum</i>	Flame flower.....	++
<i>C. argentea cristata</i>	Cockscomb.....	—	CARYOPHYLLACEAE		
<i>Cladanthrix lanuginosa</i>	Cladanthrix.....	++	<i>Arenaria benthamii</i>	Sandwort.....	+
<i>C. suffruticosa</i>	Cladanthrix.....	++	<i>A. lanuginosa</i>	Sandywink.....	+
<i>Froelichia drummondii</i>	Cotton-weed.....	+	<i>A. serpyllifolia</i>	Thyme-leaved sandwort.....	+
<i>Gomphrena dispersa (decumbens)</i>	Bachelor's-button.....	+	<i>Cerastium brachypodium</i>	Mouse-ear chickweed.....	+
<i>G. globosa</i>	Globe amaranth.....	+	<i>C. longipedunculatum</i>	Powder-horn chickweed.....	+
<i>G. haageana</i>	Amaranth.....	+	<i>C. viscosum</i>	Mouse-ear chickweed.....	+
<i>G. nitida</i>	Amaranth.....	+	<i>C. vulgatum</i>	Mouse-ear chickweed.....	+
<i>Iresine lindeni</i>	Blood leaf.....	—	<i>Dianthus barbatus</i>	Sweet William.....	+
NYCTAGINACEAE			<i>D. caryophyllus</i>	Carnation.....	+
<i>Abronia fragrans</i>	Sand verbena.....	+	<i>D. chinensis</i>	Chinese pink.....	+
<i>A. latifolia</i>	Yellow sand verbena.....	++	<i>Gypsophila elegans</i>	Babys-breath.....	+
<i>A. umbellata</i>	Pink sand verbena.....	++	<i>G. paniculata</i>	Babys-breath.....	+
<i>Acleisanthes berlandieri</i>	Angel's trumpet.....	+++	<i>Lychnis alba</i>	Evening campion.....	+
<i>A. longiflora</i>	Angel's trumpet.....	+++	<i>Paronychia dichotoma</i>	Nailwort.....	—
<i>Allionia (Oxybaphus) albidula</i>	Umbrella-wort.....	+++	<i>P. lindheimeri</i>	Nailwort.....	+
<i>A. aggregata</i>	Umbrella-wort.....	+++	<i>Sagina decumbens</i>	Pearlwort.....	+
<i>A. comata</i>	Umbrella-wort.....	+++	<i>Saponaria officinalis</i>	Soapwort, Bouncing-Bet.....	+
<i>A. floribunda</i>	Umbrella-wort.....	+++	<i>S. (Vaccaria) vaccaria</i>	Cow-herb.....	+
<i>A. hirsuta</i>	Wild four-o'clock.....	+++	<i>Scleranthus annuus</i>	Knawel.....	+
<i>A. lanceolata</i>	Umbrella-wort.....	+++	<i>Silene antirrhina</i>	Sleepy catchfly.....	+
<i>A. linearis</i>	Umbrella-wort.....	+++	<i>S. dichotoma</i>	Forked catchfly.....	+
<i>A. nyctaginea</i>	Wild four-o'clock, umbrella-wort.....	+++	<i>S. noctiflora</i>	Night-flowering catchfly.....	+
<i>A. pilosa</i>	Umbrella-wort.....	+++	<i>Spergula arvensis</i>	Spurry.....	+
<i>A. texensis</i>	Umbrella-wort.....	+++	<i>Stellaria (Alsine) borealis</i>	Chickweed.....	+
<i>Boerhaavia coccinea</i>	Wine flower.....	+++	<i>S. media</i>	Common chickweed.....	+
<i>B. erecta</i>	Spiderlings.....	+++	<i>S. nuttallii</i>	Chickweed.....	+
<i>B. hirsuta</i>	Spiderlings.....	+++			
<i>B. linearifolia</i>	Spiderlings.....	+++			
<i>Mirabilis jalapa</i>	Four-o'clock.....	+++			
<i>M. multiflora</i>	Four-o'clock.....	+++			
<i>Nyctaginia capitata</i>	Devil's bouquet.....	+++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
RANUNCULACEAE			MENISPERMACEAE		
<i>Aconitum chinense</i>	Chinese monkshood	+	<i>Cocculus</i> (<i>Cebatha</i>)		
<i>Anemone caroliniana</i>	Wood violet	+	<i>carolinus</i>	Sarsaparilla vine, snailseed.....	+
<i>A. coronaria</i>	Poppy anemone	+	<i>Menispermum</i>		
<i>A. hortensis</i>	Garden anemone	+	<i>canadense</i>	Moonseed.....	++
<i>A. japonica</i>	Japanese anemone	+	MAGNOLIACEAE		
<i>A. virginiana</i>	Wind-flower	+	<i>Liriodendron</i>		
<i>Anemonella</i>			<i>tulipifera</i>	Tuliptree.....	+++
<i>thalictroides</i>	Rue-anemone	+	<i>Magnolia grandiflora</i>	Magnolia.....	++
<i>Aquilegia australis</i>	Southern columbine	+	<i>M. virginiana</i>	Sweetbay.....	++
<i>A. canadensis</i>	Common columbine	+	ANNONACEAE		
<i>A. chrysantha</i>	Golden columbine	+	<i>Annona squamosa</i>	Sugar-apple.....	++
<i>A. longissima</i>	Columbine	+	<i>Asimina triloba</i>	Papaw.....	+++
<i>Caltha palustris</i>	Marsh-marigold	+	LAURACEAE		
<i>Cimicifuga racemosa</i>	Black snakeroot	—	<i>Benzoin aestivale</i>	Spicebush.....	++
<i>Clematis</i> (<i>Viorna</i>)			<i>Cinnamomum</i>		
<i>crispa</i>	Curly clematis	+	<i>camphora</i>	Camphor-tree.....	++
<i>C. drummondii</i>	Clematis	+	<i>Persea americana</i>	Avocado.....	++
<i>C. ligusticifolia</i>	Western virgins-bower	+	<i>P. borbonia</i>	Redbay.....	++
<i>C. pitcheri</i>	Clematis	+	<i>Sassafras varifolium</i>	Sassafras.....	+++
<i>C. reticulata</i>	Clematis	+	PAPAVERACEAE		
<i>C. texensis</i> (<i>coccinea</i>).....	Scarlet clematis	+	<i>Argemone alba</i>	Prickly poppy.....	+
<i>Delphinium</i> spp.	Common larkspur	+	<i>A. mexicana</i>	Mexican poppy.....	++
<i>D. carolinianum</i>	Field larkspur	+	<i>A. platyceras</i>	Prickly poppy.....	+
<i>D. consolida</i>	Field larkspur	+	<i>A. rosea</i>	Prickly poppy.....	++
<i>D. staphisagria</i>	Stavesacre	+	<i>Chelidonium majus</i>	Celandine.....	+
<i>D. vilmineum</i>	Prairie larkspur	+	<i>Eschscholtzia</i>		
<i>D. virescens</i> (<i>albescens</i>).....	White larkspur	+	<i>californica</i>	California poppy.....	++
<i>Hydrastis canadensis</i>	Goldenseal	+++	<i>Papaver nudicaule</i>	Iceland poppy.....	++
<i>Isopyrum biternatum</i>	False rue-anemone	++	<i>P. orientale</i>	Oriental poppy.....	+
<i>Nigella damascena</i>	Love-in-a-mist	+	<i>P. pavoninum</i>	Peacock poppy.....	+
<i>Paeonia albiflora</i>	Peony	+++	<i>Sanguinaria</i>		
<i>P. officinalis</i>	Peony	+++	<i>canadensis</i>	Bloodroot.....	+
<i>P. suffruticosa</i>	Tree peony	+++	FUMARIACEAE		
<i>Ranunculus</i>			<i>Capnoides</i> (<i>Corydalis</i>)		
<i>cuneiformis</i>	Wedge-leaved buttercup.....	+	<i>curvisiliquum</i>	Scrambled eggs.....	+
<i>R. fascicularis</i>	Early crowfoot	+	<i>C. micranthum</i>	Slender fumeroor.....	+
<i>R. macranthus</i>	Buttercup.....	+	<i>Dicentra</i> (<i>Bikukulla</i>)		
<i>R. muricatus</i>	Buttercup.....	—	<i>cucullaria</i>	Dutchmans-breeches.....	++
<i>R. oblongifolius</i>	Many-flowered spearwort.....	+	<i>D. spectabilis</i>	Bleeding-heart.....	+
<i>R. parviflorus</i>	Buttercup.....	+	CRUCIFERAE		
<i>R. pusillus</i>	Lesser spearwort	+	<i>Alyssum saxatile</i>	Goldentuft.....	—
<i>R. repens</i>	Creeping buttercup	+	<i>Arabis petiolaris</i>	Rock cress.....	—
<i>R. sceleratus</i>	Celery-leaved buttercup	+	<i>A. virginica</i>	Rock cress.....	—
<i>Thalictrum</i>			<i>Barbarea vulgaris</i>	Wintercress.....	—
<i>dasyacarpum</i>	Meadow-rue.....	++	<i>Brassica alba</i>	Wild mustard.....	+
<i>Trollius europaeus</i>	Globe-flower.....	+	<i>B. arvensis</i>	Charlock.....	++
BERBERIDACEAE			<i>B. caulorapa</i>	Kohlrabi.....	++
<i>Berberis asiatica</i>	Himalayan barberry	+	<i>B. juncea</i>	Mustard, mustard-greens.....	+
<i>B. canadensis</i>	Allegheny barberry	+	<i>B. juncea crispifolia</i>	Potherb mustard.....	+
<i>B. gagnepainii</i>	Black barberry	+	<i>B. napobrassica</i>	Rutabaga.....	++
<i>B. thunbergii</i>	Japanese barberry	++	<i>B. napus</i>	Rape.....	—
<i>B. thunbergii minor</i>	Box barberry	++	<i>B. oleracea acephala</i>	Kale.....	+
<i>B. verruculosa</i>	Warty barberry	++	<i>B. oleracea botrytis</i>	Cauliflower, broccoli.....	+
<i>B. vulgaris</i>	Common barberry	+	<i>B. oleracea capitata</i>	Cabbage.....	+
<i>Mahonia fremontii</i>	Desert mahonia	+	<i>B. oleracea</i>		
<i>M. swaseyi</i>	Texas mahonia	+	<i>gemmifera</i>	Brussels sprouts.....	+
<i>M. trifoliolata</i>	Agarita, chaparral berry.....	+			
<i>Nandina domestica</i>	Nandina.....	+++			
<i>Podophyllum</i>					
<i>peltatum</i>	May apple.....	++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
B. pekinensis	Chinese cabbage,		Jamesia (<i>Edwinia</i>)		
	Pe-Tsai.....	—	americana	Jamesia.....	++
B. rapa	Turnip.....	++	Mitella diphylla	Bishopscap.....	+++
Camelina sativa	False flax.....	—	Philadelphus		
Capsella bursa-			coronarius	Sweet mockorange.....	—
pastoris	Shepherd's purse.....	—	P. cymosus	Mockorange.....	+
Cheiranthus cheiri	Common wallflower.....	—	P. grandiflorus	Big scentless mockorange.....	—
Crambe maritima	Seakale.....	+	P. pubescens	Hoary mockorange.....	+
Draba cuneifolia	Wild alyssum.....	—	P. serpyllifolius	Wild mockorange.....	+
D. platycarpa	Whitlow-grass.....	—	Ribes americanum	American black currant.....	+
Erysimum (<i>Cheirinia</i>)			R. curvatum	Georgia gooseberry.....	+
asperum	Wallflower.....	—	R. grossularia	English gooseberry.....	++
Iberis amara	Common white candytuft.....	—	R. sativum	Common currant.....	++
I. odorata	Sweet candytuft.....	—	Saxifraga		
Lepidium apetalum	Peppergrass.....	—	leucanthemifolia	Saxifrage.....	++
L. campestre	Field peppergrass.....	—			
L. draba	Hoary peppergrass.....	—	PITTOSPORACEAE		
L. medium	Peppergrass.....	—	Pittosporum tobira	Japanese pittosporum.....	++
L. sativum	Garden cress.....	—	P. viridiflorum	Cape pittosporum.....	++
L. virginicum	Wild peppergrass.....	—			
Lesquerella gracilis	Bladder-pod.....	—	HAMAMELIDACEAE		
L. lasiocarpa	Bladder-pod, pop-weed.....	—	Hamamelis		
L. polyantha	Bladder-pod.....	—	virginiana	Witch-hazel.....	++
L. recurvata	Bladder-pod.....	—	Liquidambar		
Lobularia (<i>Alyssum</i>)			formosana	Formosa sweetgum.....	+++
maritima	Sweet alyssum.....	—	L. styraciflua	Sweetgum.....	+++
Mathiola incana	Common stock.....	+			
M. incana annua	Ten-week stock.....	+	PLATANACEAE		
M. bicornis	Grecian stock.....	+	Platanus occidentalis	Sycamore, buttonwood.....	+
Radicula armoracia	Horseradish.....	++++			
R. nasturtium-aquaticum	Water cress.....	—	ROSACEAE		
Raphanus sativus	Radish.....	++	Adenostoma fasciculatum	Chamiso.....	++
Sisymbrium (<i>Sophia</i>)			Agrimonia		
canescens	Tansy mustard.....	+	gryposepala	Tall hairy agrimony.....	++
Thlaspi arvense	Penny cress.....	—	A. mollis	Soft agrimony.....	++
			A. parviflora	Small-flowered agrimony.....	+
RESEDACEAE			Amelanchier alnifolia		
Reseda alba	White mignonette.....	—	pumila	Serviceberry.....	++
R. odorata	Common mignonette.....	—	Amygdalus (<i>Prunus</i>)		
			communis	Almond.....	+++
SARRACENIACEAE			A. persica	Peach.....	++
Darlingtonia californica	California pitcher-plant.....	—	A. persica nectarina	Nectarine.....	+++
Sarracenia purpurea	Common pitcher-plant.....	—	Aronia (<i>Pyrus</i>)		
			arbutifolia	Red chokeberry.....	+++
SAXIFRAGACEAE			A. atropurpurea	Purple chokeberry.....	++
Boykinia rotundifolia	Boykinia.....	++	Cercocarpus montanus	Mountain mahogany.....	—
Carpenteria californica	Carpenteria.....	++	Chaenomeles (<i>Cydonia</i>)		
Chrysosplenium americanum	Golden saxifrage.....	+	japonica	Japanese flowering quince.....	+++
Deutzia excellens	Deutzia.....	++	C. sinensis	Chinese flowering quince.....	++
D. gracilis	Slender deutzia.....	+	Cotoneaster acutifolia	Pekin cotoneaster.....	++
D. lemoinei	Lemoine deutzia.....	+	C. divaricata	Spreading cotoneaster.....	++
D. scabra	Fuzzy deutzia.....	++	C. horizontalis	Rock cotoneaster.....	+++
Escallonia macrantha	Escallonia.....	+	C. pannosa	Silverleaf cotoneaster.....	+++
E. rubra	Escallonia.....	+	Crataegus aestivalis	May haw.....	++
Heuchera sanguinea	Coral bells.....	++	C. brachycantha	Short-spined hawthorn.....	++
Hydrangea macrophylla	Hydrangea.....	+++	C. intricata	Thicket hawthorn.....	+++
H. paniculata	Hydrangea.....	+++			
H. serrata	Hydrangea.....	+++			
Itea virginica	Sweet-spire.....	++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>C. mollis</i>	Downy hawthorn	+++	<i>A. fruticosa</i>	False indigo, indigo-bush	+
<i>C. spathulata</i>	Small-fruited hawthorn	+++	<i>Apios tuberosa</i>	Groundnut, potato bean	+++
<i>C. viridis</i>	Southern hawthorn	+++	<i>Arachis hypogaea</i>	Peanut	+++
<i>Cydonia oblonga</i>	Quince	+++	<i>Astragalus astrinatus</i>	Milk-vetch	+++
<i>Eriobotrya japonica</i>	Loquat	+++	<i>A. canadensis</i>	Milk-vetch	+++
<i>Exochorda racemosa</i>	Pearlbush	++	<i>A. mexicanus</i>	Ground plum	+++
<i>Fragaria chiloensis</i>	Strawberry	—	<i>A. mollissimus</i>	Loco weed	+
<i>Geum canadense</i>	White avens	++	<i>A. (Hamosa) nuttallianus</i>	Milk-vetch, Turkey peas	+++
<i>G. japonicum</i>	Japanese avens	++	<i>A. reflexus</i>	Milk-vetch	+++
<i>Kerria japonica picta</i>	Silver kerria	++	<i>A. wrightii</i>	Milk-vetch	+++
<i>Photinia (Haderomeles) arbutifolia</i>	Christmasberry	++	<i>Baptisia australis</i>	Blue wild indigo	+++
<i>P. serrulata</i>	Photinia	+++	<i>B. leucantha</i>	White wild indigo, prairie indigo	+++
<i>P. villosa</i>	Hairy photinia	+++	<i>B. leucophaca</i>	Prairie wild indigo	+++
<i>Physocarpus opulifolius luteus</i>	Goldleaf ninebark	++	<i>B. sphaerocarpa</i>	False indigo bush	+
<i>Potentilla argentea</i>	Silvery cinquefoil	++	<i>Bauhinia variegata</i>	Mountain ebony	—
<i>P. grandiflora</i>	Alpine cinquefoil	+	<i>Cajanus cajan</i>	Pigeon pea	+++
<i>P. monspeliensis</i>	Rough cinquefoil	+	<i>Canavalia ensiformis</i>	Jack bean	+++
<i>Prunus americana</i>	Common wild plum	+++	<i>C. gladiata</i>	Sword bean	+++
<i>P. angustifolia</i>	Chickasaw plum	+++	<i>C. lineata</i>	June bean	+++
<i>P. armeniaca</i>	Apicot	+++	<i>Caragana arborescens</i>	Siberian pea-tree	+
<i>P. avium</i>	Sweet cherry	+++	<i>Cassia chamaecrista</i>		
<i>P. (Laurocerasus) caroliniana</i>	Cherry-laurel	+++	<i>(Chamaecrista fasciculata)</i>	Partridge pea	+++
<i>P. cerasus</i>	Sour cherry	+++	<i>C. marilandica</i>	Wild senna	+++
<i>P. demissa</i>	Western choke-cherry	++	<i>C. nictitans</i>		
<i>P. domestica</i>	Common plum	++	<i>(Chamaecrista procumbens)</i>	Wild sensitive-plant	++
<i>P. laurocerasus</i>			<i>Centrosema</i>		
<i>(Laurocerasus officinalis)</i>	Cherry-laurel	++	<i>(Bradburya) plumieri</i>	Butterfly-pea	++
<i>P. mexicana</i>	Mexican plum	+	<i>C. virginianum</i>	Wild pea, butterfly-pea	++
<i>P. munsoniana</i>	Wild goose plum	+	<i>Cercis canadensis</i>	Redbud, Judas-tree	+++
<i>P. reverchonii</i>	Hog plum	+	<i>C. chinensis</i>	Chinese redbud	+++
<i>P. serotina</i>	Wild black cherry	+	<i>C. occidentalis</i>	California redbud	+++
<i>P. tomentosa</i>	Nanking cherry	+++	<i>C. reniformis</i>	Texas redbud	+++
<i>P. virginiana</i>	Chokecherry	+++	<i>Cicer arifolium</i>	Chickpea, garbanzo	+++
<i>Pyracantha coccinea</i>	Pyracantha, fire-thorn	++	<i>Clitoria mariana</i>	Butterfly-pea	++
<i>Pyrus angustifolia</i>	Southern crab-apple	+++	<i>C. ternata</i>	Butterfly-pea	+++
<i>P. communis</i>	Pear	+++	<i>Cracca (Tephrosia) virginiana</i>	Devil's shoe strings, cat-gut	++
<i>P. malus</i>	Apple	+++	<i>C. thurberi</i>	Pastel pea	++
<i>Rosa spp.</i>	Cultivated rose	+++	<i>Crotalaria incana</i>	Hairy rattle-box	+
<i>R. blanda</i>	Meadow rose	++	<i>C. sagittalis</i>	Crotalaria, rattle-box	+
<i>R. bracteata</i>	Macartney rose	++	<i>C. retusa</i>	Rattle-box	+
<i>R. carolina</i>	Pasture rose	++	<i>C. spectabilis</i>	Rattle-box	+
<i>Rubus argutus</i>	Highbush blackberry	++	<i>C. striata</i>	Rattle-box	+
<i>R. flagellaris</i>	Eastern dewberry	+	<i>Cyamopsis tetragonoloba</i>	Guar	+
<i>R. idaeus</i>	European raspberry	++	<i>Dalea (Parosela) aurea</i>	Golden Dalea	++
<i>R. trivialis</i>	Southern dewberry	+	<i>D. dalea</i>	Dalea	++
<i>Sorbus (Pyrus) americana</i>	American mountain-ash	+++	<i>D. formosa</i>	Dalea	++
<i>Spiraea alba</i>	Meadowsweet	+++	<i>D. frutescens</i>	Dalea	++
<i>S. arguta</i>	Garland spirea	+++	<i>D. pogonantha</i>	Purple Dalea	++
<i>S. prunifolia</i>	Bridal-wreath	+++	<i>D. spinosa</i>	Smoketree	++
<i>S. reevesiana</i>	Reeves spirea	+++	<i>Daubentonia drummondii</i>	Rattle-box, rattle-bush	+
<i>S. vanhouttei</i>	Vanhoutte spirea	+++	<i>D. longifolia</i>	Rattle-bush	+
LEGUMINOSAE			<i>Derris scandens</i>	Derris	++
<i>Acacia (Vachellia) farnesiana</i>	Huisache, sweet acacia	—	<i>Desmodium (Meibomia) canadense</i>	Trefoil, tick or jointed clover	+++
<i>A. greggii</i>	Catclaw, huajilla	++			
<i>A. nerifolia</i>	Bald acacia	+++			
<i>Aeschynomene americana</i>	Joint vetch	++			
<i>A. viscidula</i>	Joint vetch	++			
<i>Amorpha fragnans</i>	False indigo	++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>D. dillenii</i>	Trefoil, tick or jointed clover	++	<i>Phaseolus aconitifolius</i>	Moth bean	++
<i>D. marylandicum</i>	Trefoil, tick or jointed clover	+	<i>P. latifolius</i>	Tepary bean	++
<i>D. paniculatum</i>	Trefoil, tick or jointed clover	++	<i>P. aureus</i>	Mung bean	++
<i>D. purpureum</i>	Florida beggarweed	++	<i>P. calcaratus</i>	Rice bean	++
<i>D. strictum</i>	Tick trefoil	++	<i>P. coccineus</i>	Scarlet runner bean	++
<i>D. wrightii</i>	Tick trefoil	++	<i>P. lunatus</i>	Lima bean	++
<i>Dolichos lablab</i>	Hyacinth bean	++	<i>P. macrocarpus</i>	Black gram	++
<i>Erythrina crista-galli</i>	Coraltree	++	<i>P. polystachyus</i>	Bean vine	++
<i>E. herbacea</i>	Coralbean	+	<i>P. vulgaris</i>	Kidney bean	++
<i>Eysenhardtia (Viborquia) amorphoides</i>	Rock-brush	++	<i>Pisum sativum</i>	English pea	+
<i>Genista monosperma</i>	Broom	++	<i>Pithecolobium flexicaule</i>	Texas ebony	—
<i>Gleditsia aquatica</i>	Swamp locust	++	<i>P. unguis-cati</i>	Cats-claw	—
<i>G. triacanthos</i>	Honey locust	++	<i>Prosopis glandulosa</i>	Mesquite	++
<i>Glycine (Soja) max</i>	Soybean	++	<i>Psoralea floribunda</i>	Wild alfalfa	+
<i>Gymnocladus dioica</i>	Kentucky coffee-tree	+	<i>P. rhombifolia</i>	Brown-flowered psoralea	++
<i>Hoffmanseggia densiflora</i>	Hog-potato, camote de raton	++	<i>Pueraria thunbergiana</i>	Kudzu vine	++
<i>Indigofera leptosepala</i>	Indigo	++	<i>Rhynchosia (Dolicholus) americana</i>	Wild yellow pea	++
<i>I. lindheimeriana</i>	Indigo	++	<i>R. minima</i>	Pea-vine	++
<i>I. suffruticosa</i>	Indigo	++	<i>R. texana</i>	Hyacinth bean	++
<i>I. tinctoria</i>	Indigo	++	<i>Robinia hispida</i>	Rose acacia	++
<i>Krameria canescens</i>	Sand-bur	+	<i>R. pseudoacacia</i>	Black locust	++
<i>K. parvifolia</i>	Sand-bur	+	<i>R. viscosa</i>	Clammy locust	++
<i>K. secundiflora</i>	Sand-bur	++	<i>Schrankia (Morongia) roemeriana</i>	Sensitive brier	++
<i>Lathyrus latifolius</i>	Perennial pea	++	<i>Sesbania canabina</i>	Sesbania	+
<i>L. odoratus</i>	Sweet pea	+	<i>S. macrocarpa</i>	Coffee bean	+
<i>L. pusillus</i>	Vetchling	+	<i>S. vesicaria</i>	Sesbania	+
<i>L. sylvestris</i>	Flat pea	++	<i>Sophora affinis</i>	Eve's necklace	+
<i>Lens esculenta</i>	Lentil	++	<i>S. japonica</i>	Japanese pagoda-tree	+
<i>Lespedeza hirta</i>	Bush-clover	++	<i>S. (Broussonetia) secundiflora</i>	Mescal-bean, mountain laurel	++
<i>L. neglecta</i>	Bush-clover	+	<i>Stizolobium (Mucuna) deerlingianum</i>	Velvet bean, Florida bean	++
<i>L. prairiea</i>	Bush-clover	+	<i>Strombocarpa (Prosopis) pubescens</i>	Tornillo, screw bean	++
<i>L. repens</i>	Bush-clover	+	<i>Strophostyles helvola</i>	Sand-bean	++
<i>L. striata</i>	Japan bush-clover	+	<i>Stylosanthes biflora</i>	Pencil flower	+
<i>L. texana</i>	Bush-clover	++	<i>Templetonia retusa</i>	Melbourne coral bush	++
<i>Leucaena greggii</i>	Mimosa	++	<i>Trifolium hybridum</i>	Alsike clover	++
<i>Lupinus perennis</i>	Sundial lupine	+	<i>T. medium</i>	Zizgag clover	++
<i>L. subcarneus</i>	Texas bluebonnet	+	<i>T. pratense</i>	Red clover	++
<i>Maackia amurensis</i>	Amur maackia	+	<i>T. procumbens</i>	Low hop clover	++
<i>M. chinensis</i>	Chinese maackia	+	<i>T. reflexum</i>	Buffalo clover	++
<i>Medicago arabica</i>	Spotted bur clover	++	<i>T. repens</i>	White clover	++
<i>M. hispida</i>	Bur clover	++	<i>Vicia angustifolia</i>	Common vetch	++
<i>M. lupulina</i>	Black medick	++	<i>V. faba</i>	Broadbean	++
<i>M. sativa</i>	Alfalfa	++	<i>V. hirsuta</i>	Hairy vetch	++
<i>Melilotus alba</i>	White sweetclover	++	<i>V. leavenworthii</i>	Wild vetch	++
<i>M. alba annua</i>	Hubam clover	++	<i>V. ludoviciana</i>	Deer-pea	++
<i>M. indica</i>	Yellow, sweetclover	++	<i>V. micrantha</i>	Wild vetch	++
<i>M. officinalis</i>	Yellow sweetclover	++	<i>V. reverchonii</i>	Wild vetch	++
<i>Mimosa pudica</i>	Sensitive-plant	+	<i>V. sativa</i>	Common or spring vetch	+
<i>Oxytropis (Aragallus) lambertii</i>	Loco weed	++	<i>V. tetrasperma</i>	Lentil-tare	++
<i>Parkinsonia aculeata</i>	Horsebean, retama	+	<i>V. texana</i>	Texas wild vetch	++
<i>P. torreyana</i>	Palo verde	+	<i>V. villosa</i>	Winter or hairy vetch	++
<i>Petalostemum albidum</i>	Prairie-clover	++	<i>Vigna sesquipedalis</i>	Asparagus bean	++
<i>P. candidum</i>	White prairie-clover	++	<i>V. sinensis</i>	Cowpea	++
<i>P. decumbens</i>	Prairie-clover	++	<i>Wisteria floribunda</i>	Japanese wisteria	++
<i>P. microphyllum</i>	Prairie-clover	++			
<i>P. multiflorum</i>	White prairie-clover	++			
<i>P. obovatum</i>	Prairie-clover, pussy-foot	++			
<i>P. purpureum</i>	Prairie-clover	++			
<i>P. stanfieldii</i>	Prairie-clover	++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>W. frutescens</i>	Wisteria.....	++	<i>C. trifoliata</i>	Hardy orange.....	+
<i>Zornia bracteata</i>	Zornia.....	++	<i>Diosma ericoides</i>	Buchu, breath-of-heaven.....	—
GERANIACEAE			<i>Fortunella japonica</i>	Round kumquat.....	+
<i>Erodium cicutarium</i>	Pin clover, alfileria, filaree.....	—	<i>F. margarita</i>	Oval kumquat.....	+
<i>E. texanum</i>	Stork's bill.....	—	<i>Ptelea trifoliata</i>	Hoptree, wafer ash.....	++
<i>Geranium argenteum</i>	Silver-leaved cranesbill.....	—	<i>Thamnosma texana</i>	Thamnosma.....	++
<i>G. carolinianum</i>	Carolina cranesbill.....	—	<i>Zanthoxylum americanum</i>	Northern prickly ash, toothache-tree.....	++
<i>G. maculatum</i>	Wild geranium.....	—	SIMARUBACEAE		
<i>G. texanum</i>	Wild geranium.....	—	<i>Ailanthus glandulosa</i>	Tree-of-heaven.....	+++
<i>Pelargonium domesticum</i>	Lady Washington geranium.....	—	MELIACEAE		
<i>P. graveolens</i>	Rose geranium.....	—	<i>Melia azedarach</i>	Chinaberry tree.....	++++
<i>P. peltatum</i>	Ivy geranium.....	—	<i>M. azedarach umbra- braculiformis</i>	Umbrella china tree.....	++++
OXALIDACEAE			<i>Swietenia mahagoni</i>	Mahogany.....	+
<i>Oxalis (Loloxalis) berlandieri</i>	Wood sorrel.....	—	MALPIGHIACEAE		
<i>O. (Xanthoxalis) bowiei</i>	Oxalis.....	—	<i>Malpighia glabra</i>	Barbados-cherry.....	+
<i>O. corniculata</i>	Wood sorrel, sourgrass.....	—	POLYGALACEAE		
<i>O. (Monoxalis) dichondraefolia</i>	Wood sorrel.....	—	<i>Polygala polygama</i>	Candyweed, milkwort.....	+
<i>O. (Ionoxalis) drummondii</i>	Wood sorrel.....	—	<i>P. verticillata</i>	Candyweed, milkwort.....	+
<i>O. stricta</i>	Wood sorrel, sourgrass.....	—	EUPHORBACEAE		
<i>O. (Ionoxalis) violacea</i>	Violet wood sorrel.....	—	<i>Acalypha gracilens</i>	Tar weed.....	++
TROPAEOLACEAE			<i>A. hederacea</i>	Ivyleaf mercury.....	++
<i>Tropaeolum majus</i>	Nasturtium.....	—	<i>A. hispida</i>	Chenille plant.....	++
<i>T. minus</i>	Nasturtium.....	—	<i>A. lindheimeri</i>	Cardinal feather.....	++
LINACEAE			<i>A. ostryaefolia</i>	Tar weed.....	++
<i>Linum (Cathartolinum) alatum</i>	Yellow flax.....	++	<i>A. radians</i>	Cardinal feather.....	++
<i>L. flavum</i>	Golden flax.....	++	<i>A. virginica</i>	Three-seeded mercury.....	++
<i>L. lewisii</i>	Prairie flax.....	++	<i>A. wilkesiana</i>	Copperleaf.....	++
<i>L. medium</i>	Yellow flax.....	++	<i>Aleurites fordii</i>	Tung-oil tree.....	++
<i>L. rupestre</i>	Wild yellow flax.....	++	<i>A. moluccana</i>	Candlenut tree, varnish-tree.....	++
<i>L. striatum</i>	Wild flax.....	++	<i>Argythamnia (Dilaxis) humilis</i>	Low ditaxis.....	++
<i>L. sulcatum</i>	Yellow flax.....	++	<i>A. mercurialis</i>	Wild mercury.....	++
<i>L. usitatissimum</i>	Flax.....	++	<i>Croton argyranthemus</i>	Silvery croton.....	+++
ZYGOPHYLLACEAE			<i>C. berlandieri</i>	Croton.....	+++
<i>Kallstroemia hirsutissima</i>	Hairy caltrop.....	+	<i>C. capitatus</i>	Woolly croton, hogwort.....	+++
<i>Larrea (Covillea) tridentata</i>	Creosote bush.....	+	<i>C. engelmannii</i>	Croton.....	+++
<i>Tribulus terrestris</i>	Puncture plant, caltrop.....	++	<i>C. fruticosus</i>	Shrubby croton.....	+++
RUTACEAE			<i>C. glandulosus</i>	Sand croton.....	+++
<i>Cholsya ternata</i>	Mexican-orange.....	+	<i>C. leucophyllus</i>	White croton.....	+++
<i>Citrus aurantifolia</i>	Lime.....	++	<i>C. lindheimerianus</i>	Croton.....	+++
<i>C. aurantium</i>	Sour orange.....	++	<i>C. monanthogynus</i>	Mexican tea, prairie tea.....	+++
<i>C. grandis</i>	Grapefruit.....	++	<i>C. punctatus</i>	Gulf croton.....	+++
<i>C. limonia</i>	Lemon.....	++	<i>C. texensis</i>	Sand croton, skunk-weed.....	+++
<i>C. medica</i>	Citron.....	++	<i>Crotonopsis linearis</i>	Rushfoils.....	++
<i>C. nobilis deliciosa</i>	Tangerine.....	++	<i>C. elliptica</i>	Rushfoils.....	++
<i>C. nobilis unshiu</i>	Satsuma orange.....	++	<i>Euphorbia (Tithymalus) arkansana</i>	Warty spurge.....	++
<i>C. sinensis</i>	Orange.....	++	<i>E. (Tithymalopsis) corollata</i>	Flowering spurge.....	+++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
			AQUIFOLIACEAE		
E. (<i>Tithymalus</i>) <i>cyparissias</i>	Cypress spurge.....	+++	<i>Ilex aquifolium</i>	English holly.....	+
E. (<i>Poinsettia</i>) <i>dentata</i>	Toothed spurge.....	+++	<i>I. caroliniana</i>	Carolina holly.....	+
E. (<i>Tithymalus</i>) <i>esula</i>	Leafy spurge.....	+++	<i>I. cassine</i>	Dahoon.....	+
E. (<i>Poinsettia</i>) <i>heterophylla</i>	Painted leaf, Mexican fire-plant.....	+++	<i>I. crenata</i>	Japanese holly.....	+
E. (<i>Chamaesyce</i>) <i>maculata</i>	Spotted spurge, milk purslane.....	+++	<i>I. decidua</i>	Possumhaw.....	—
E. <i>malaca</i>	Hairy spurge.....	+++	<i>I. glabra</i>	Winterberry, ink-berry.....	—
E. (<i>Lepadenia</i>) <i>marginata</i>	Snow-on-the-mountain.....	+++	<i>I. myrtifolia</i>	Myrtle-leaf holly.....	—
E. (<i>Chamaesyce</i>) <i>nutans</i>	Spotted spurge.....	+++	<i>I. opaca</i>	American holly.....	+
E. (<i>Tithymalus</i>) <i>obtusata</i>	Warty spurge.....	+++	<i>I. verticillata</i>	Black alder, winterberry.....	+
E. (<i>Poinsettia</i>) <i>pulcherrima</i>	Poinsettia.....	+++	<i>I. vomitoria</i>	Yaupon.....	+
E. (<i>Chamaesyce</i>) <i>serpens</i>	Round-leaf spurge.....	+++	CELASTRACEAE		
<i>Jatropha</i> (<i>Adenoropium</i>) <i>multifida</i>	Coral-plant.....	++	<i>Celastrus scandens</i>	American bitter-sweet.....	+++
J. (<i>Cnidocolus</i>) <i>texana</i>	Bull nettle, spurge nettle.....	++	<i>Elaeodendron orientale</i>	False olive.....	++
Manihot <i>carthaginensis</i>	Manihot.....	++	<i>Euonymus americanus</i>	Strawberrybush.....	++
M. <i>esculenta</i>	Cassava.....	++	E. <i>atropurpureus</i>	Wahoo.....	++
<i>Phyllanthus avicularia</i>	Phyllanthus.....	++	E. <i>japonicus</i>	Evergreen burning-bush.....	++
P. <i>carolinense</i>	Phyllanthus.....	++	E. <i>patens</i>	Spread ng euonymus.....	++
P. <i>polygonoides</i>	Phyllanthus.....	++	E. <i>radicans</i>	Wintercreeper.....	++
<i>Ricinus communis</i>	Castor-bean.....	+++	ACERACEAE		
<i>Sapium sebiferum</i>	Chinese tallowtree ..	+++	<i>Acer floridanum</i>	Florida maple.....	++
<i>Stillingia linearifolia</i>	Queen's root, queen's delight.....	++	A. <i>ginnala</i>	Amur maple.....	++
S. <i>sylvatica</i>	Queen's root.....	++	A. <i>negundo</i>	Box-elder.....	++
<i>Tragia macrocarpa</i>	Stinging nettle.....	++	A. <i>negundo</i> <i>californicum</i>	California box-elder.....	++
T. <i>nepetaefolia</i>	Nettle.....	++	A. <i>nigrum</i>	Black maple.....	++
T. <i>ramosa</i>	Nettle.....	++	A. <i>palmatum</i>	Japanese maple.....	++
T. <i>urens</i>	Nettle.....	++	A. <i>platanoides</i>	Norway maple.....	++
BUXACEAE			A. <i>pseudoplatanus</i>	Sycamore maple.....	++
<i>Buxus sempervirens</i>	Box.....	++	A. <i>rubrum</i>	Red maple.....	++
ANACARDIACEAE			A. <i>rubrum globosum</i>	Dwarf red maple.....	++
<i>Cotinus coggygia</i>	Smoke-tree.....	++	A. <i>saccharinum</i>	Silver maple.....	++
<i>Harpephyllum caffrum</i>	Kafir-plum.....	++	A. <i>saccharum</i>	Sugar maple.....	++
<i>Mangifera indica</i>	Mango.....	++	A. <i>spicatum</i>	Mountain maple.....	++
<i>Pistacia chinensis</i>	Pistache.....	++	HIPPOCASTANACEAE		
P. <i>texana</i>	Mexican pistache.....	++	<i>Aesculus arguta</i>	Texas buckeye.....	+++
P. <i>vera</i>	Pistache.....	++	A. <i>californica</i>	California buckeye.....	++
Rhus <i>copallina</i>	Shining sumac.....	++	A. <i>discolor</i>	Woolly buckeye.....	++
R. <i>glabra</i>	Smooth sumac.....	++	A. <i>glabra leucodermis</i>	Ohio buckeye.....	++
R. <i>toxicoendron</i>	Poison ivy.....	++	A. <i>hippocastanum</i>	Horsechestnut.....	++
R. <i>trilobata</i>	Lemonade sumac.....	++	A. <i>octandra</i>	Yellow buckeye.....	++
R. <i>typhina</i>	Staghorn sumac.....	++	A. <i>pavia</i>	Red buckeye.....	++
R. <i>verniciiflua</i>	Varnish-tree.....	++	SAPINDACEAE		
R. <i>vernix</i>	Poison sumac.....	++	<i>Cardiospermum corindum</i>	Woolly balloonvine.....	+++
<i>Schinus molle</i>	California pepper-tree.....	++	C. <i>halicacabum</i>	Balloonvine.....	+++
S. <i>terebinthifolius</i>	Brazilian pepper-tree.....	++	C. <i>microcarpum</i>	Small-fruited balloonvine.....	+++
			<i>Koeleruteria paniculata</i>	Japanese golden-raintree.....	++
			<i>Sapindus drummondii</i>	Soapberry, wild china.....	+++
			<i>Ungnadia speciosa</i>	Texas buckeye.....	+++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
BALSAMINACEAE			A. triquetrum	Indian mallow.....	+++
Impatiens balsamina	Touch-me-not, garden balsam.....	+	A. wrightii	Indian mallow.....	+++
RHAMNACEAE			Althaea ficifolia	Figleaf hollyhock.....	+++
Berchemia scandens	Supplejack.....	++	A. officinalis	Marsh-mallow.....	+++
Ceanothus americanus	New-Jersey-tea.....	+	A. rosea	Hollyhock.....	+++
Rhamnus caroliniana	Carolina buckthorn, Indian-cherry.....	++	Anoda lavateroides	Anoda.....	+++
R. cathartica	Buckthorn.....	++	Callirhoe alceoides	Poppy mallow.....	+++
R. purshiana	Cascara buckthorn.....	+++	C. digitata	Wine cup, poppy mallow.....	+++
Zizyphus jujuba	Jujube.....	+++	C. involucrata	Low poppy mallow, wine cup.....	+++
Z. obtusifolia	Lotibush.....	+	C. geranioides	Poppy mallow.....	+++
VITACEAE			C. lineariloba	Poppy mallow.....	+++
Ampelopsis aconitifolia	Monkshood-vine.....	++	C. papaver	Poppy mallow.....	+++
A. arborea	(<i>Cissus stans</i>).....	+++	C. pedata	Poppy mallow.....	+++
A. cordata	(<i>Cissus ampelopsis</i>).....	++	C. scabriuscula	Poppy mallow.....	+++
Cissus incisa	Cow-itch vine, marine ivy.....	++	C. triangulata	Clustered poppy mallow.....	+++
Parthenocissus	(<i>Psedera</i>).....	++	Cienfuegosia sulphurea	Cienfuegosia.....	+++
heptaphylla	Texas creeper.....	++	Gossypium arboreum	Indian tree cotton.....	+++
P. quinquefolia	Virginia creeper.....	+++	G. armourianum	Lower California wild cotton.....	+++
P. quinquefolia murorum	Wall creeper.....	++	G. auritum	Ecuador cotton.....	+++
P. tricuspidata	Boston ivy.....	++	G. barbadense	Sea-Island and Egyptian cottons.....	+++
Vitis aestivalis	Summer grape.....	++	G. brasiliense	Kidney cotton.....	+++
V. arizonica	Canyon grape.....	++	G. herbaceum	Levant cotton.....	+++
V. baileyana	Possum grape.....	+++	G. hirsutum	Upland cotton.....	+++
V. berlandieri	Spanish grape, winter grape.....	+	G. javanense	Florida tree cotton.....	+++
V. candicans	Mustang grape.....	+	G. mexicanum	Mexican cotton.....	+++
V. champini	Champin grape, including Champanel.....	+	G. morrilli	(<i>contexum, didadum</i>) Mexican semi-wild cotton.....	+++
V. cinerea	Sweet winter grape.....	++	G. nanking (indicum)	Chinese cotton.....	+++
V. cordifolia	Frost grape.....	++	G. peruvianum	Peruvian tree cotton, Tanguis cotton.....	+++
V. linsecornii	Post-oak grape.....	++	Hibiscus cardiophyllus	Rose-mallow.....	+++
V. monticola	Mountain grape.....	++	H. coccineus	Rose-mallow.....	+++
V. rotundifolia	Muscadine grape.....	++	H. esculentus	Okra.....	+++
V. rupestris	Sand grape.....	+++	H. lasiocarpus	Rose-mallow.....	+++
V. vinifera	Wine grape.....	+++	H. manihot	Rose-mallow.....	+++
V. vulpina	Riverbank grape.....	+++	H. moscheutos	Swamp rose-mallow.....	+++
TILIACEAE			H. mutabilis	Cotton-rose.....	+++
Tilia americana	American linden.....	+++	H. rosa-sinensis	Chinese rose, Chinese hibiscus.....	+++
T. vulgaris	Common linden.....	+++	H. sabdariffa	Roselle.....	+++
MALVACEAE			H. syriacus	Shrub-althea.....	+++
Abutilon berlandieri	Indian mallow.....	+++	H. trionum	Flower-of-an-hour.....	+++
A. (Gayoides) crispum	Indian mallow.....	+++	Kosteletzkya althaeifolia	Fen-rose.....	++
A. incanum	Indian mallow.....	+++	Lavatera arborea	Tree-mallow.....	+++
A. malacum	Indian mallow.....	+++	L. trimestris	Tree-mallow.....	+++
A. megapotamicum	Brazilian abutilon.....	+++	Malachra capitata	Malachra.....	++
A. parvulum	Indian mallow.....	+++	Malva parviflora	Small-flowered mallow.....	+++
A. pictum	Painted abutilon.....	+++	M. rotundifolia	Common mallow, cheeses.....	+++
A. texense	Indian mallow.....	+++	M. sylvestris	High mallow.....	+++
A. theophrasti	Velvet leaf abutilon.....	+++	Malvastrum coromandelianum	False mallow.....	+++
			M. coccineum	Prairie mallow.....	++
			M. leptophyllum	False mallow.....	++
			M. spicatum	False mallow.....	+++
			Malvaviscus (Achania) arboreus	Wax-mallow.....	++
			M. conzattii	Turk's-cap hibiscus.....	+
			M. drummondii	Red wax-mallow.....	+++
			M. grandiflorus	Large-flowered wax-mallow.....	++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>Modiola caroliniana</i>	Modiola	++	CISTACEAE		
<i>Pavonia lasiopetala</i>	Pavonia	+++	<i>Helianthemum</i>		
<i>Sida angustifolia</i>	Sida	+++	(<i>Crocanthemum</i>)		
<i>S. ciliaris</i>	Sida	+++	<i>majus</i>	Hoary frost-weed	+
<i>S. cuneifolia</i>	Sida	+++	<i>H. nudiflorum</i>	Sun-rose	+
<i>S. diffusa</i>	Small-leaved sida	+++	<i>H. rosmarinifolium</i>	Sun-rose	+
<i>S. filiformis</i>	Sida	+++	VIOLACEAE		
<i>S. filipes</i>	Sida	+++	<i>Viola missouriensis</i>	Violet	—
<i>S. (Disella) hederacea</i>	Meloncilla	+++	<i>V. odorata</i>	English or garden violet	—
<i>S. helleri</i>	Sida	+++	<i>V. tricolor</i>	Pansy	—
<i>S. longipes</i>	Sida	+++	<i>V. cornuta</i>	Horned violet	—
<i>S. neomexicana</i>	Sida	++	PASSIFLORACEAE		
<i>S. physocalyx</i>			<i>Passiflora affinis</i>	Passion flower	++
(<i>hastata</i>)	Sida	+++	<i>P. caerulea</i>	Passion flower	++
<i>S. rhombifolia</i>	Sida	++++	<i>P. gracilis</i>	Passion flower	++
<i>S. spinosa</i>	Indian mallow, prickly-sida	+++	<i>P. incarnata</i>	Maypops	++
<i>S. texana</i>	Sida	++	<i>P. lutea</i>	Yellow passion flower	++
<i>Sphaeralcea</i>			CARICACEAE		
(<i>Phymosta</i>)			<i>Carica papaya</i>	Papaya	+++
<i>angustifolia</i>	Nigger-weed	+++	LOASACEAE		
<i>S. cuspidata</i>	Pompadour mallow	++	<i>Mentzelia decapetala</i>	Blazing star	++
<i>S. fendleri</i>	Globe mallow	+++	<i>M. laevicaulis</i>	Blazing star	+
<i>S. hastulata</i>	Globe mallow	+++	<i>M. nuda</i>	Stick-leaf	++
<i>S. incana</i>	Globe mallow	++	BEGONIACEAE		
<i>S. lindheimeri</i>	Globe mallow	+++	<i>Begonia gracilis</i>	Slender begonia	—
<i>S. lobata</i>	Nigger-weed	+++	CACTACEAE		
<i>S. pedata</i>	Globe mallow	+++	<i>Acanthocereus</i>		
<i>S. pedatifida</i>	Globe mallow	+++	(<i>Cereus</i>) <i>pentagonus</i>	Triangle cactus	++
<i>S. pumila</i>	Globe mallow	+++	<i>Ancistrocactus</i>		
<i>S. subhastata</i>	Globe mallow	++	(<i>Echinocactus</i>)		
<i>S. tenuipes</i>	Globe mallow	+++	<i>scheeri</i>	Fishhook cactus	++
<i>Wissadula holosericea</i>	Velvet-mallow	+++	<i>Ariocarpus fissuratus</i>	Living rock	++
<i>W. lozani</i>	Velvet-mallow	+++	<i>Coryphantha</i>		
<i>W. periplocifolia</i>	Velvet-mallow	++	(<i>Mammillaria</i>)		
STERCULIACEAE			<i>macromeris</i>	Coryphantha cactus	++
<i>Firmiana simplex</i>			<i>Dolichothele</i>		
(<i>Sterculia platanifolia</i>)	Phoenix-tree	+++	(<i>Mammillaria</i>)		
<i>Hermannia texana</i>	Mexican mallow	+++	<i>sphaerica</i>	Nipple cactus	++
THEACEAE			<i>Echinocactus</i>		
<i>Gordonia lasianthus</i>	Loblolly-bay	+	<i>horizonthalonius</i>	Devil's-head cactus	++
HYPERICACEAE			<i>Echinocereus (Cereus)</i>		
<i>Hypericum punctatum</i>			<i>fendleri</i>	Pitaya	++
(<i>maculatum</i>)	St. John's-wort	+	<i>Echinomastus</i>		
TAMARICACEAE			(<i>Echinocactus</i>)		
<i>Tamarix africana</i>	African tamarix	+	<i>intertextus</i>	Viznagita	++
<i>T. articulata</i>	Athel, evergreen tamarix	++	<i>Epithelantha</i>		
<i>T. gallica</i>	French tamarix, salt cedar	++	(<i>Mammillaria</i>)		
<i>T. juniperina</i>	Juniper tamarix	++	<i>micromeris</i>	Button cactus	++
<i>T. odessana</i>	Odessa tamarix, salt cedar	+++	<i>Escobaria (Mammillaria)</i>		
<i>T. parviflora</i>	Tamarix	++	<i>runyonii</i>	Escobaria	++
<i>T. pentandra</i>	Five-stamen tamarix	++	<i>Ferocactus</i>		
<i>T. pentandra amurensis</i>	Amur tamarix	+	(<i>Echinocactus</i>) <i>spp.</i>	Barrel cactus, viznaga	++
FOUQUIERIACEAE			<i>Hamatocactus</i>		
<i>Fouquieria splendens</i>	Candlewood, ocotillo	+	(<i>Echinocactus</i>)		
			<i>setispinus</i>	Twisted-rib-cactus	++
			<i>Lophophora williamsii</i>	Peyote, mezcal button	++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>Neobesseyia</i> (<i>Mammillaria</i>)			<i>O. (Megapterium)</i> <i>missouriensis</i>	Ozark evening primrose	++
missouriensis	Neobesseyia	++	<i>O. (Hartmannia)</i>	rosea Rose sundrops	++
<i>Neolloydia</i> (<i>Echinocactus</i>) spp.	Neolloydia	++	ARALIACEAE		
<i>Neomammillaria</i> (<i>Mammillaria</i>)			<i>Acanthopanax sieboldianum</i>	Five-leaved aralia	++
heyderi	Hemisphere cactus	++	<i>Aralia nudicaulis</i>	Wild sarsaparilla	++
<i>Opuntia</i> spp.	Prickly pear	++	<i>A. spinosa</i>	Devils-walkingstick	+++
<i>O. leptocaulis</i>	Tasajillo	++	<i>Hedera helix</i>	English ivy	++
<i>O. lindheimeri</i>	Prickly pear	++	UMBELLIFERAE		
<i>Penicereus (Cereus)</i> spp.	Deer-horn cactus	++	<i>Aethusa cynapium</i>	Fool's parsley	++
<i>Thelocactus</i> (<i>Echinocactus</i>)			<i>Ammoselinum poppei</i>	Sand parsley	++
bicolor	Cactus	++	<i>Anethum graveolens</i>	Dill	+++
<i>Wilcoxia (Cereus)</i> spp.	Lead-pencil cactus	++	<i>Angelica villosa</i>	Angelica	++
ELAEAGNACEAE			<i>Anthriscus cerefolium</i>	Chervil	+
<i>Elaeagnus angustifolia</i>	Russian olive	+	<i>Apium graveolens dulce</i>	Celery	+
<i>E. argentea</i>	Silverberry	++	<i>Bifora americana</i>	Coriander	++
<i>Shepherdia</i> (<i>Lepargyrea</i>) <i>canadensis</i> <i>xanthocarpa</i>	Yellow buffaloberry	+	<i>Bowlesia septentrionalis</i>	Rabbit lettuce	++
LYTHRACEAE			<i>Carum carvi</i>	Caraway	+++
<i>Lagerstroemia indica</i>	Crape myrtle	++	<i>Chaerophyllum bulbosum</i>	Turnip-rooted chervil	+++
<i>Lythrum linearifolium</i>	Loosestrife	++	<i>C. dasycarpum</i>	Chervil	++
PUNICACEAE			<i>C. teinturierii</i>	Chervil	+
<i>Punica granatum</i>	Pomegranate	+	<i>Conium maculatum</i>	Poison hemlock	++
MYRTACEAE			<i>Daucus carota sativa</i>	Carrot	++
<i>Myrtus communis</i>	Myrtle	++	<i>D. pusillus</i>	Bird's nest	++
<i>Psidium guajava</i>	Guava	+++	<i>Eryngium aquaticum</i>	Button snakeroot	+
ONAGRACEAE			<i>E. diffusum</i>	Blue thistle, eryngo	++
<i>Clarkia elegans</i>	Butterflyflower	+++	<i>E. hookeri</i>	Eryngo	++
<i>Epilobium angustifolium</i>	Fireweed	++	<i>E. leavenworthii</i>	Eryngo	++
<i>Gaura biennis</i>	Morning-honey-suckle	++	<i>E. wrightii</i>	Eryngo	++
<i>G. coccinea</i>	Scarlet gaura	++	<i>Foeniculum vulgare</i>	Fennel	++
<i>G. lindheimeri</i>	White gaura	++	<i>Heracleum villosum</i>	Caucasian cow parsnip	++
<i>G. parviflora</i>	Gaura	++	<i>H. lanatum</i>	Cow parsnip	+++
<i>G. sinuata</i>	Gaura	++	<i>Hydrocotyle proliera</i>	Marsh pennywort	++
<i>Jussiaea diffusa</i>	Water primrose	+	<i>H. rotundifolia</i>	Marsh pennywort	+
<i>E. suffruticosa</i>	Willow primrose	+	<i>Ligusticum canadense</i>	Nondo, angelico	++
<i>Ludvigia alternifolia</i>	Seedbox	+	<i>Musenopsis texana</i>	Musenopsis	++
<i>L. glandulosa</i>	False loosestrife	+	<i>Myrrhis odorata</i>	Sweet cicely, myrrh	++
<i>Oenothera biennis</i>	Common evening primrose	+	<i>Pastinaca sativa</i>	Parsnip	+++
<i>O. (Raimannia) drummondii</i>	Drummond evening primrose	++	<i>P. sativa sylvestris</i>	Wild parsnip	++
<i>O. (Galspinia) hartwegii</i>	Evening primrose	+	<i>Petroselinum hortense</i>	Parsley	++
<i>O. interior</i>	Evening primrose	+	<i>P. radicosum</i>	Turnip-rooted parsley	+++
<i>O. laciniata</i>	Yellow evening primrose	+	<i>Phanerotaenia texana</i>	Phaneroetaenia	+++
			<i>Pimpinella anisum</i>	Anise	++
			<i>Ptilimnium laciniatum</i>	Laceflower, wild parsley	+++
			<i>P. nuttallii</i>	Laceflower, wild parsley	+++
			<i>Spermolepis (Leptocaulis) echinata</i>	Spermolepis	++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
CORNACEAE			EBENACEAE		
<i>Cornus alba</i>	Tatarian dogwood.....	+++	<i>Brayodendron texanum</i>	Mexican persimmon.....	++
<i>C. (Svida) alternifolia</i>	Pagoda dogwood.....	+++	<i>Diospyros kaki</i>	Japanese persimmon.....	+++
<i>C. amomum</i>	Silky dogwood.....	+++	<i>D. virginiana</i>	Common persimmon.....	+++
<i>C. asperifolia</i>	Roughleaf dogwood.....	+++	STYRACACEAE		
<i>C. (Cynoxylon) florida</i>	Flowering dogwood.....	+++	<i>Halesia carolina</i>	Silverbell.....	++
<i>C. florida rubra</i>	Red-flowering dogwood.....	+++	<i>H. diptera</i>	Snowdrop-tree.....	++
<i>C. sanguinea</i>	Bloodtwig dogwood.....	+++	<i>Styrax platanifolia</i>	Styrax.....	++
<i>Nyssa aquatica</i>	Cotton gum, tupelo gum.....	+	OLEACEAE		
<i>N. sylvatica</i>	Black gum.....	+	<i>Chionanthus virginica</i>	Fringetree.....	++
ERICACEAE			<i>Forestiera (Adelia) acuminata</i>	Swamp privet; Texas adelia.....	++
<i>Arbutus menziesii</i>	Madrona.....	++	<i>F. ligustrina</i>	Privet adelia.....	++
<i>Arctostaphylos uva-ursi</i>	Bearberry, manzanita.....	++	<i>F. neo-mexicana</i>	Ironwood, adelia.....	++
<i>Gaultheria procumbens</i>	Wintergreen.....	—	<i>F. pubescens</i>	Devil's elbow, tangledwood.....	++
<i>Gaylussacia baccata</i>	Black huckleberry.....	+	<i>Forsythia intermedia</i>	Goldenbells.....	++
<i>Kalmia angustifolia</i>	Sheep-laurel.....	++	<i>F. suspensa</i>	Weeping forsythia.....	++
<i>K. latifolia</i>	Mountain-laurel.....	+++	<i>F. viridissima</i>	Greenstem forsythia.....	++
<i>Oxydendrum arboreum</i>	Sourwood.....	+++	<i>Fraxinus americana</i>	White ash.....	++
<i>Rhododendron (Azalea) arborescens</i>	Smooth azalea.....	++	<i>F. caroliniana</i>	Water ash.....	++
<i>R. canescens</i>	Piedmont azalea.....	++	<i>F. chinensis</i>	Chinese ash.....	++
<i>R. catawbiense</i>	Mountain rose bay.....	++	<i>F. cuspidata</i>	Fragrant ash.....	++
<i>R. micranthum</i>	Manchurian rhododendron.....	++	<i>F. excelsior</i>	European ash.....	++
<i>Vaccinium (Balodendron) arboreum</i>	Sparkleberry.....	++	<i>F. greggii</i>	Gregg ash.....	++
<i>V. (Oxycoccus) macrocarpon</i>	Large cranberry.....	—	<i>F. nigra</i>	Black ash.....	++
<i>V. oxycoccus</i>	Small cranberry.....	—	<i>F. pennsylvanica lanceolata</i>	Red ash.....	++
PRIMULACEAE			<i>lanceolata</i>	Prickly ash, green ash.....	++
<i>Anagallis arvensis</i>	Shepherd's barometer.....	+	<i>F. texensis</i>	Texas ash.....	++
<i>Cyclamen indicum</i>	Florists' cyclamen.....	+	<i>Jasminum humile</i>	Italian yellow jasmine.....	+++
<i>C. indicum giganteum</i>	Common cyclamen.....	+	<i>J. officinale</i>	Common white jasmine.....	+++
<i>Dodecatheon meadia</i>	Common shooting-star.....	+	<i>J. primulinum</i>	Primrose jasmine, Chinese yellow jasmine.....	++
<i>D. radicatum</i>	Southern shooting-star.....	+	<i>Ligustrum acuminatum</i>	Bigberry privet.....	++
<i>Lysimachia nummularia</i>	Moneywort.....	+	<i>L. macrocarpum</i>	Amur privet.....	++
<i>Primula obconica</i>	Chinese primrose.....	++	<i>L. amurense</i>	Ibota privet.....	++
<i>P. superba</i>	Showy primrose.....	++	<i>L. ibota</i>	Pygmy or babydoll privet.....	++
<i>P. sinensis</i>	Chinese primrose.....	++	<i>L. japonicum</i>	Japanese privet.....	++
<i>P. vulgaris</i>	Primrose.....	++	<i>L. lodense</i>	Lodense privet.....	++
<i>Samolus cuneatus</i>	Brookweed.....	+	<i>L. lucidum</i>	Glossy privet, large-leaf privet.....	++
<i>Steironema ciliatum</i>	Fringed loosestrife.....	+	<i>L. lucidum compactum</i>	Waxleaf privet.....	++
PLUMBAGINACEAE			<i>L. lucidum erectum</i>	Upright privet.....	++
<i>Limonium spp.</i>	Statice.....	+	<i>L. lucidum pyramidalis</i>	Pyramidal privet.....	++
<i>Statice armeria</i>	White statice.....	+	<i>L. lucidum recurvifolium</i>	Blackleaf privet.....	++
SAPOTACEAE			<i>L. lucidum tricolor</i>	Tricolor privet.....	++
<i>Bumelia lanuginosa</i>	Gum elastic, chittam wood.....	++	<i>L. nepalense</i>	Nepal privet.....	++
<i>Sapota achras</i>	Sapodilla vine.....	+++	<i>L. ovalifolium</i>	California privet.....	++
			<i>L. quihouii</i>	Quihou privet.....	++
			<i>L. sinense</i>	Chinese privet.....	++
			<i>L. vulgare</i>	Common or European privet.....	++
			<i>L. vulgare aureum</i>	Yellowleaf privet.....	++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
Menodora			Vincetoxicum		
heterophylla.....	Menodora, red-bud..	++	biflorum.....	Star milkweed.....	++
M. integrifolia.....	Menodora, red-bud..	++	V. gonocarpus.....	Angle-pod.....	++
Olea europaea			V. hirsutum.....	Hairy milkweed.....	++
communis.....	Olive.....	+++	V. suberosum.....	Smooth milkweed.....	+++
Osmanthus			CONVOLVULACEAE		
americanus.....	Devil-wood.....	++	Argyrea speciosa	Woolly morning-glory.....	+++
O. ilicifolius			Breweria (Stylisma) pickeringii	Breweria.....	++
argenteus.....	Silver osmanthus.....	++	Calonyction aculeatum	Common moon-flower.....	++
Syringa chinensis.....	Chinese lilac.....	+++	Convolvulus americanus	Hedge-bindweed.....	+++
S. japonica.....	Japanese tree lilac.....	+++	C. arvensis.....	Field bindweed.....	+++
S. persica.....	Persian lilac.....	+++	C. hermannotoides.....	Gray bindweed.....	+++
S. villosa.....	Late lilac.....	+++	C. incanus.....	Hoary bindweed.....	+++
S. vulgaris.....	Common lilac.....	+++	C. repens.....	Bindweed.....	+++
LOGANIACEAE			C. sepium.....	Hedge-bindweed, rutland beauty.....	+++
Buddleia asiatica	White butterfly-bush.....	+++	Evolvulus alsinoides	Tufted evolvulus.....	++
B. globosa	Globe butterfly-bush.....	+++	E. argenteus (pilosus).....	Silvery evolvulus.....	++
Cynoctonum mitreola	Mitrewort.....	+	E. mollis.....	Soft evolvulus.....	++
Gelsemium sempervirens	Yellow jessamine.....	+++	E. sericeus.....	Silky evolvulus.....	++
Spigelia marilandica	Pink-root.....	++	Ipomoea batatas	Sweet potato.....	+++
GENTIANACEAE			I. caroliniana.....	Morning-glory.....	++
Centaurium (Erythraea) beyrichii	Star flower.....	+	I. costellata.....	Morning-glory.....	++
C. calycosum.....	Mountain pink.....	+	I. fistulosa.....	Morning-glory.....	++
Eustoma gracile	Slender prairie gentian.....	+	I. (Pharbitis) hederacea.....	Ivy-leaf morning-glory.....	+++
E. russellianum	Texas bluebell, prairie gentian.....	+	I. lacunosa.....	Morning-glory.....	++
APOCYNACEAE			I. leptophylla.....	Bush morning-glory.....	++
Amsonia ciliata texana	Texas blue star.....	-	I. longifolia.....	Morning-glory.....	++
Apocynum androsaemifolium	Spreading dogbane.....	+	I. pandurata.....	Wild sweet-potato.....	++
A. cannabinum.....	Indian hemp, hemp dogbane.....	+	I. pes-caprae.....	Railroad vine.....	++
Nerium indicum	Sweet-scented oleander.....	++	I. purpurea.....	Common morning-glory.....	++
N. oleander.....	Oleander.....	++	I. stolonifera	Morning-glory.....	+++
Vinca minor	Common periwinkle.....	++	I. trichocarpa.....	Morning-glory.....	++
V. rosea alba.....	White periwinkle.....	-	I. trifida.....	Morning-glory, tievine.....	++
ASCLEPIADACEAE			I. triloba.....	Morning-glory.....	++
Acerates viridiflora	Milkweed.....	+++	Quamoclit (Ipomoea) coccinea	Star Ipomoea.....	+++
Asclepias amplexicaulis	Milkweed.....	++	Q. pennata	Cypress-vine.....	+++
A. lanceolata.....	Milkweed.....	++	Q. sloteri	Cardinal-climber.....	+++
A. latifolia.....	Milkweed.....	++	POLEMONIACEAE		
A. laurifolia.....	Milkweed.....	++	Gilia incisa	Texas plume.....	+
A. linearis.....	Milkweed.....	++	G. rigida.....	Texas plume.....	+
A. mexicana.....	Milkweed.....	++	G. rubra.....	Standing cypress, Texas plume.....	+
A. obovata.....	Milkweed.....	++	Loeselia mexicana	Loeselia.....	++
A. perennis.....	Milkweed.....	++	Navarretia (Gilia) squarrosa	Skunkweed.....	++
A. rubra.....	Red milkweed.....	++	Phlox aspera	Phlox.....	-
A. syriaca.....	Common milkweed.....	++	P. divaricata.....	Blue phlox.....	-
A. tuberosa.....	Butterfly-weed.....	++	P. drummondii.....	Drummond phlox.....	-
A. variegata.....	Milkweed.....	++	P. glaberrima.....	Meadow phlox.....	+
A. verticillata.....	Horsetail milkweed.....	++	P. nana.....	Dwarf phlox.....	+
Asclepiodora decumbens	Antelope horns.....	++	P. paniculata.....	Perennial phlox.....	-
A. viridis.....	Antelope horns.....	++	HYDROPHYLLACEAE		
			Emmenanthe penduliflora	California golden-bells.....	++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>Marilaunidium</i> (<i>Nama</i>)			<i>V. negundo</i>	Negundo chaste-tree	++
<i>hispidum</i>	Sand bells	+	<i>V. negundo incisa</i>	Cut-leaf chaste-tree	++
<i>M. jamaicense</i>	Fiddle-leaves	+	LABIATAE		
<i>Nemophila aurita</i>	Fiesta-flower	+	<i>Agastache nepetoides</i>	Catnip giant	—
<i>N. maculata</i>	Five-spot	—	<i>hyssop</i>		—
<i>N. phacelioides</i>	Baby blue-eyes	—	<i>Audibertia</i>		
<i>Phacelia bicknellii</i>	Snail flower	—	<i>grandiflora</i>	Crimson sage	—
<i>P. congesta</i>	Snail flower	—	<i>Coleus blumei</i>	Coleus	—
<i>P. dissecta</i>	Snail flower	—	<i>Collinsonia</i>		
BORAGINACEAE			<i>canadensis</i>	Citronella, horse-	—
<i>Cordia boissieri</i>	Anacahuita	+	<i>balm</i>		—
<i>Cynoglossum</i>			<i>C. grandiflora</i>	Blue-lips	—
<i>officinale</i>	Hound's tongue	++	<i>Cunila origanoides</i>	Stone-mint	—
<i>Echium vulgare</i>	Blue-weed	++	<i>Dracocephalum</i>		
<i>Ehretia elliptica</i>	Anacua, "knock-away"	+	<i>parviflorum</i>	Dragonhead mint	—
<i>Heliotropium</i>			<i>Hedeoma</i>		
<i>glabriusculum</i>	Wild heliotrope	++	<i>drummondii</i>	Drummond penny-	—
<i>H. peruvianum</i>	Heliotrope	+	<i>royal</i>		—
<i>Lappula echinata</i>	Bur-seed	+	<i>H. hispida</i>	Hairy pennyroyal	—
<i>L. texana</i>	Stick-seed	+	<i>Hyssopus officinalis</i>	Hyssop	—
<i>L. virginiana</i>	Stick-weed, beggar's lice	++	<i>Lamium</i>		
<i>Lithospermum</i>			<i>amplexicaule</i>	Dead nettle, henbit	—
<i>angustifolium</i>	Puccoon	+	<i>Lavandula spica</i>	Lavender	+
<i>L. arvense</i>	Wheat thief, corn gromwell	+	<i>Leonurus cardiaca</i>	Motherwort	—
<i>L. canescens</i>	Puccoon	+	<i>Marrubium vulgare</i>	Hoarhound	—
<i>L. tuberosum</i>	Gromwell	—	<i>Melissa officinalis</i>	Lemon-balm	—
<i>Mertensia virginica</i>	Virginia bluebells	++	<i>Mentha arvensis</i>	Field mint	—
<i>Myosotis scorpioides</i>	Forget-me-not	+	<i>M. citrata</i>	Bergamot mint	—
<i>M. sylvatica</i>	Forget-me-not	+	<i>M. rotundifolia</i>	Apple mint	—
<i>Onosmodium</i>			<i>M. spicata</i>	Common garden-	—
<i>bejariense</i>	False gromwell	+	<i>mint, spearmint</i>		—
<i>O. hispidissimum</i>	False gromwell	++	<i>Monarda didyma</i>	Oswego tea	—
VERBENACEAE			<i>M. dispersa</i>	Horsemint	—
<i>Callicarpa americana</i>	French-mulberry	—	<i>M. fistulosa</i>	Wild bergamot	—
<i>Lantana camara</i>	Common lantana	++	<i>M. hirsutissima</i>	Horsemint	—
<i>L. camara horrida</i>	Calico bush	+	<i>M. lasiodonta</i>	Horsemint	—
<i>L. camara hybrida</i>	Dwarf lantana	++	<i>M. mollis</i>	Hairy wild berga-	—
<i>L. sellowiana</i>	Weeping lantana	+	<i>mot</i>		—
<i>Lippia</i> (<i>Phyla</i>)			<i>M. punctata</i>	Spotted horsemint	—
<i>cuneifolia</i>	Fog-fruit	+	<i>M. scabra</i>	Horsemint	—
<i>L. geminata</i>	Fog-fruit	+	<i>M. tenuilaristata</i>	Horsemint	+
<i>L. lanceolata</i>	Fog-fruit	+	<i>Nepeta cataria</i>	Catnip	—
<i>L. (Aloysia) ligustrina</i>	White brush, bee-brush	+	<i>Ocimum basilicum</i>	Basil	—
<i>L. (Phyla) nodiflora</i>	Turkey tangle	+	<i>Physostegia</i>		
<i>Verbena</i>			(<i>Dracocephalum</i>)		
<i>ambrosiaefolia</i>	Wild verbena	+	<i>intermedia</i>	False dragonhead	—
<i>V. angustifolia</i>	Narrow-leaved	—	<i>P. virginiana</i>	False dragonhead	—
<i>vervain</i>		—	<i>Prunella vulgaris</i>	Heal-all	—
<i>V. bipinnatifida</i>	Dakota verbena	—	<i>Pycnanthemum</i>		
<i>V. bracteosa</i>	Large-bracted	+	(<i>Koelia</i>) <i>flexuosum</i>	Slender mountain	+
<i>vervain</i>		—	<i>mint</i>		+
<i>V. canadensis</i>	Clump verbena	—	<i>P. virginianum</i>	Virginia mountain	+
<i>V. ciliata</i>	Wild verbena	—	<i>mint</i>		+
<i>V. hastata</i>	Blue verbena	—	<i>Rosmarinus</i>		
<i>V. hortensis</i>	Garden verbena	—	<i>officinalis</i>	Rosemary	—
<i>V. neomexicana</i>	Wild verbena	—	<i>Salvia azurea</i>	Blue salvia	—
<i>V. officinalis</i>	European vervain	+	<i>S. azurea grandiflora</i>	Great azure sage	—
<i>V. rigida</i>	Verbena	+	<i>S. ballotaeflora</i>	Shrubby sage	—
<i>V. scabra</i>	Verbena	+	<i>S. coccinea</i>	Texas sage	—
<i>V. stricta</i>	Vervain	—	<i>S. farinacea</i>	Mealy cup sage,	—
<i>V. urticaefolia</i>	Nettle-leaved	—	<i>blue sage</i>		—
<i>vervain</i>		—	<i>S. greggi alba</i>	Autumn salvia	+
<i>V. xutha</i>	Verbena	—	<i>S. lanceolata</i>	Lanceleaf salvia	—
<i>Vitex agnus-castus</i>	Lilac chaste-tree	++	<i>S. lyrata</i>	Lyre-leaved sage	—
			<i>S. officinalis</i>	Garden salvia, sage	+
			<i>S. roemeriana</i>	Roemer sage	+
			<i>S. splendens</i>	Scarlet salvia	+
			<i>Satureja hortensis</i>	Summer savory	—
			<i>Scutellaria</i>		
			<i>integerrima</i>	Skullcap	—

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
S. ovata	Skullcap	+	SCROPHULARIACEAE		
S. parvula	Skullcap	+	Antirrhinum majus	Snapdragon	—
Stachys agraria	Hedge nettle	+	Calceolaria pinnata	Slipperwort	—
S. coccinea	Scarlet hedge nettle	—	Castilleja coccinea	Indian paint-brush, scarlet painted-cup	—
S. officinalis	Common betony	—	C. indivisa	Indian blanket, Texas painted-cup	—
Teucrium canadense	Wood sage, germander	—	C. lindheimeri	Indian paint-brush, Indian blanket	—
Thymus vulgaris	Thyme	—	Digitalis purpurea	Foxglove	+
Trichostema dichotomum	Blue-curls	—	Gerardia (Agalinis) grandiflora	False yellow fox-glove	++
SOLANACEAE			G. purpurea	False purple fox-glove	++
Capsicum frutescens	Bird pepper	++	Gratiola virginiana	Hedge-hyssop	++
C. frutescens grossum	Sweet pepper	+++	Leucophyllum texanum	White-leaf, silver-leaf	++
Cestrum diurnum	Day jessamine	+++	Linaria canadensis	Blue-toadflax	++
C. parqui	Chilian jessamine	+++	L. vulgaris	Butter-and-eggs	++
Datura metel	Hindu datura	++	Maurandia (Antirrhinum) antirrhiniflora	Maurandia	++
D. meteloides	Sacred datura	++	Mimulus luteus	Golden monkey-flower	—
D. stramonium	Jimson weed	++	M. ringens	Mimulus, monkey-flower	—
D. tatula	Purple Jimson weed	++	Paulownia tomentosa	Empress tree, princess tree	+
Lycium carolinianum	Christmas-berry, tomatilla	+++	Pentstemon albidus	White pentstemon, white beard-tongue	++
Lycopersicum esculentum	Tomato	+	P. cobaea	Beard-tongue, pentstemon	++
Nicandra physalodes	Apple-of-Peru	+	P. laevigata digitalis	Foxglove pentstemon	+
Nicotiana glauca	Jasmine tobacco	++	P. murrayanus	Scarlet-beard fox-glove	++
N. grandiflora	Jasmine tobacco	++	P. tubiflorus	Tube beard-tongue	+++
N. glauca	Tree tobacco	++	Verbascum blattaria	Moth mullein	+
N. longiflora	Wild tobacco	++	V. thapsus	Common mullein	++
N. rustica	Aztec tobacco	+++	Veronica anagallis-aquatica	Speedwell	+
N. tabacum	Common tobacco	++	V. arvensis	Corn speedwell	+
Nierembergia frutescens	Tall-cupflower	+	V. officinalis	Common speedwell	+
Petunia hybrida	Petunia	++	V. peregrina	Neckweed	++
Physalis angulata	Ground-cherry	++	V. polita	Speedwell	+++
P. barbadensis	Ground-cherry	++	V. virginica	Black-root, Culver's physic	+
P. francheti	Chinese lantern-plant	++	BIGNONIACEAE		
P. heterophylla	Ground-cherry	++	Catalpa bignonioides	Common catalpa	+++
P. intermedia	Ground-cherry	++	C. speciosa	Western catalpa	+++
P. mollis	Ground-cherry	++	Chilopsis linearis	Desert willow	+++
P. pubescens	Common ground-cherry	++	Doxantha unguis-cati	Claw trumpet	+++
P. subglabrata	Ground-cherry	++	Jacaranda acutifolia	Green-ebony	++
P. texana	Ground-cherry	++	Tecoma (Bignonia) Campsis radicans	Trumpet creeper, trumpet-flower	++
P. turbinata	Ground-cherry	++	T. stans	Florida trumpet-bush, yellow trumpet-flower	+++
P. viscosa	Beach ground-cherry	++	Tecomaria (Tecoma) capensis	Cape-honeysuckle	++
Quincula (Physalis) lobata	Ground-cherry	++	PEDALIACEAE		
Salpiglossis sinuata	Painted-tongue	++	Sesamum orientale	Sesame	+
Schizanthus pinnatus	Wingleaf butterfly flower	++			
Solandra nitida	Chalice-vine	++			
Solanum aculeatissimum	Nightshade	++			
S. carolinense	Horse-nettle	++			
S. citrullifolium	Buffalo bur	+++			
S. elaeagnifolium	Trompillo, white horse-nettle	++			
S. melongena	Eggplant	++			
S. nigrum	Black nightshade	++			
S. pseudo-capsicum	Jerusalem-cherry	++			
S. rostratum	Buffalo bur	++			
S. torreyi	Torrey horse-nettle	++			
S. triquetrum	Vine nightshade	++			
S. tuberosum	Irish potato	++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
MARTYNIACEAE			VALERIANACEAE		
<i>Proboscidea</i> (<i>Martynia</i>)			<i>L. bella albidia</i>	White belle honey-suckle.....	+
<i>fragrans</i>	Ram's horns, sweet unicorn-plant.....	+	<i>L. fragrantissima</i>	Winter honeysuckle.....	++
<i>P. jussieui</i>	Common unicorn-plant.....	++	<i>L. heckrottii</i>	Ever-blooming bush-honeysuckle.....	++
ACANTHACEAE			<i>L. japonica</i>	Japanese honey-suckle.....	++
<i>Acanthus mollis</i>	Soft acanthus.....	++	<i>L. japonica chinensis</i>	Purple Japanese honeysuckle.....	++
<i>Beloperone guttata</i>	Beloperone.....	++	<i>L. morrowii</i>	Bush-honeysuckle.....	+
<i>Dianthera americana</i>	Water willow.....	+++	<i>L. sempervirens</i>	Scarlet trumpet honeysuckle.....	+++
<i>Dyschoriste</i> (<i>Calophanes</i>)	<i>linearis</i> Snake herb.....	+	<i>L. tatarica</i>	Tatarian honey-suckle.....	+
<i>Pachystachys</i> (<i>Jacobinia</i>)	<i>coccinea</i> Cardinal's guard.....	++	<i>Sambucus canadensis</i>	American elder.....	++
<i>Ruellia ciliosa</i>	<i>Ruellia</i>	++	<i>S. nigra</i>	European elder.....	++
<i>R. humilis</i>	<i>Ruellia</i>	+	<i>S. pubens</i>	Red elder.....	+++
<i>R. parviflora</i>	<i>Ruellia</i>	++	<i>Symphoricarpos occidentalis</i>	Wolfberry.....	+
<i>R. pedunculata</i>	<i>Ruellia</i>	++	<i>S. orbiculatus</i>	Coralberry.....	—
<i>R. tuberosa</i>	<i>Ruellia</i>	++	<i>S. racemosus</i>	Common snowberry.....	—
<i>Thunbergia alata</i>	Black-eyed-susan, black-eyed clock-vine.....	++	<i>Viburnum opulus roseum</i>	Common snowball.....	++
PLANTAGINACEAE			<i>V. prunifolium</i>	Blackhaw.....	++
<i>Plantago aristata</i>	Large-bracted plantain.....	+	<i>V. rufidulum</i>	Southern blackhaw.....	+++
<i>P. arvenaria</i>	Sand plantain.....	++	DIPSACACEAE		
<i>P. heterophylla</i>	Many-seeded plantain.....	+	<i>Valeriana officinalis</i>	Common valerian.....	+
<i>P. inflexa</i>	Rough plantain.....	+	<i>Valerianaella locusta</i>	Cornsalad.....	+
<i>P. lanatifolia</i>	Woolly plantain.....	+	<i>V. stenocarpa</i>	Cornsalad.....	+
<i>P. lanceolata</i>	English rib-grass plantain.....	++	CUCURBITACEAE		
<i>P. occidentalis</i>	Western plantain.....	++	<i>Citrullus vulgaris</i>	Watermelon.....	+
<i>P. virginica</i>	Dwarf plantain.....	++	<i>C. vulgaris citroides</i>	Citron.....	—
RUBIACEAE			<i>Cucumis anguria</i>	West Indian gherkin.....	—
<i>Bouvardia ternifolia</i>	Scarlet bouvardia.....	+	<i>C. melo</i>	Muskmelon.....	+
<i>Cephalanthus occidentalis</i>	Buttonbush.....	++	<i>C. sativus</i>	Cucumber.....	+
<i>Diodia teres</i>	Buttonweed.....	++	<i>Cucurbita foetidissima</i>	Calabazilla, buffalogourd.....	—
<i>Gallium aparine</i>	Goose grass.....	++	<i>C. maxima</i>	Squash.....	+
<i>G. circaeazans</i>	Wild liquorice.....	++	<i>C. melanosperma</i>	Malabar gourd.....	—
<i>G. triflorum</i>	Sweet scented bed-straw.....	++	<i>C. moschata</i>	Cushaw.....	—
<i>G. virgatum</i>	Cleavers.....	+	<i>C. pepo</i>	Pumpkin.....	—
<i>Gardenia jasminoides</i>	Cape-jasmine.....	+	<i>Cyclanthera dissecta</i>	Cut-leaf bur cucumber.....	—
<i>Hamelia erecta</i>	Scarlet-bush.....	+	<i>C. pedata</i>	Cut-leaf bur cucumber.....	—
<i>Houstonia angustifolia</i>	Babys-breath.....	++	<i>Echinocystis lobata</i>	Mock-cucumber.....	—
<i>H. humifusa</i>	Sand houstonia.....	++	<i>Ibervillea lindheimeri</i>	Snake-apple.....	—
<i>H. patens</i>	Bluets.....	+	<i>I. tenuisecta</i>	Snake-apple.....	—
<i>Mitchella repens</i>	Partridge-berry, twin-berry.....	+	<i>Lagenaria leucantha</i>	White-flowered gourd.....	—
CAPRIFOLIACEAE			<i>Luffa cylindrica</i>	Suakwa towelgourd.....	—
<i>Abelia chinensis</i>	Chinese abelia.....	++	<i>Melothria pendula</i>	Creeping cucumber.....	—
<i>A. floribunda</i>	Mexican abelia.....	++	<i>Momordica balsamina</i>	Balsam-apple.....	—
<i>A. grandiflora</i>	Glossy abelia.....	++	<i>Sicyos angulatus</i>	Star-cucumber.....	—
<i>Diervilla florida</i> (<i>Weigela</i>).....	Rose weigela.....	++	CAMPAÑULACEAE		
<i>D. hybrida candida</i>	Snow weigela.....	++	<i>Campanula medium</i>	Canterbury-bells.....	++
<i>D. japonica</i>	Japanese weigela.....	++	<i>Platycodon grandiflorum</i>	Balloonflower.....	++
<i>D. rivularis</i>	Bush-honeysuckle.....	++			
<i>Kolkwitzia amabilis</i>	Beauty-bush.....	+			
<i>Lonicera albiflora</i>	White honeysuckle.....	++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>Specularia biflora</i>	Venus lookingglass..	+++	<i>A. virgatus</i>	Southern smooth	
<i>S. coloradoensis</i>	Venus lookingglass..	++	(<i>purpuratus</i>).....	aster.....	++
<i>S. perfoliata</i>	Venus lookingglass..	++	<i>Baccharis halimifolia</i>	Groundselbush.....	++
LOBELIACEAE			<i>Bahia absinthifolia</i>	Bahia.....	++
<i>Lobelia cardinalis</i>	Cardinal flower.....	++	<i>Bellis integrifolia</i>	Western daisy.....	++
<i>L. cliffortiana</i>	Cliffort lobelia.....	++	<i>B. perennis</i>	English daisy.....	++
<i>L. inflata</i>	Indian tobacco.....	++	<i>Berlandiera dealbata</i>	Berlandier daisy.....	++
<i>L. puberula</i>	Downy lobelia.....	++	<i>B. lyrata</i>	Green-eyes.....	++
<i>L. siphilitica</i>	Great lobelia.....	+	<i>B. texana</i>	Green-eyes.....	++
<i>L. spicata</i>	Spiked lobelia.....	+	<i>Bidens aristosa</i>	Western tickseed.....	++
<i>L. splendens</i>	Cardinal flower.....	++	<i>B. cernua</i>	Stick-tight, bur-marigold.....	+
COMPOSITAE			<i>B. comosa</i>	Leafy-bracted tickseed.....	++
<i>Achillea millefolium</i>	Milfoil, yarrow.....	++	<i>B. connata</i>	Swamp beggar-ticks.....	+
<i>Actinea (Telraeuris) linearifolia</i>	Yellow daisy.....	++	<i>B. discoidea</i>	Small tickseed.....	++
<i>A. linearis</i>	Yellow daisy.....	++	<i>B. frondosa</i>	Beggar-ticks.....	++
<i>Ageratum houstonianum</i>	Ageratum.....	+	<i>Boltonia asteroides</i>	Boltonia.....	++
<i>Ambrosia aptera</i>	Giant ragweed.....	++	<i>B. diffusa</i>	Boltonia.....	++
<i>A. artemisiifolia</i>	Roman wormwood, ragweed.....	++	<i>Cacalia (Emilia) sagittata</i>	Tassel-flower.....	++
<i>A. bidentata</i>	Ragweed.....	++	<i>C. (Mesadenia) tuberosa</i>	Indian tuberose.....	+
<i>A. psilostachya</i>	Ragweed.....	++	<i>Calendula officinalis</i>	Calendula, pot-marigold.....	+
<i>A. trifida</i>	Great ragweed, bloodweed.....	+++	<i>Callistephus chinensis</i>	China aster.....	++
<i>Anthemis arvensis</i>	Corn camomile.....	++	<i>Catananche caerulea</i>	Cupids-dart.....	++
<i>A. cotula</i>	Dog-fennel.....	++	<i>Centaurea americana</i>	Basketflower.....	++
<i>Aphanostephus humilis</i>	Marguerites, white daisy.....	++	<i>C. cineraria</i>	Dusty miller.....	++
<i>A. skirrobasis</i>	White daisy.....	++	<i>C. cyanus</i>	Cornflower.....	++
<i>Aplopappus (Prionopsis) ciliatus</i>	Aplopappus.....	++	<i>C. montana</i>	Mountain-bluet.....	++
<i>Arctium minus (Lappa)</i>	Common burdock.....	++	<i>C. moschata</i>	Sweet-sultan.....	+++
<i>Arctotis stoechadiflora</i>	African daisy, bushy arctotis.....	++	<i>C. solstitialis</i>	Starthistle, Barnaby's thistle.....	++
<i>Artemisia biennis</i>	Sagebrush, wormwood.....	+	<i>Chaetopappa parryi</i>	Chaetopappa.....	++
<i>A. caudata</i>	Sagebrush, wormwood.....	++	<i>Chrysanthemum cinerariaefolium</i>	Pyrethrum, Dalmatian insect flowers.....	++
<i>A. gnaphalodes</i>	Sagebrush, wormwood.....	++	<i>C. coccineum</i>	Painted lady, pyrethrum, Persian insect flowers.....	++
<i>A. mexicana</i>	Sagebrush, wormwood.....	++	<i>C. frutescens</i>	Marguerite.....	++
<i>Aster azureus</i>	Sky-blue aster.....	++	<i>C. hortorum</i>	Common chrysanthemum.....	+++
<i>A. continuus</i>	Late purple aster.....	++	<i>C. leucanthemum</i>	Oxeye daisy.....	+++
<i>A. drummondii</i>	Drummond aster.....	++	<i>C. maximum</i>	Shasta daisy.....	++
<i>A. ericoides</i>	White heath aster.....	++	<i>C. morifolium</i>	Florists chrysanthemum.....	++
<i>A. exiguus</i>	Wreath aster.....	++	<i>Chrysogonum virginianum</i>	Golden-star.....	++
<i>A. exilis</i>	Roadside aster.....	++	<i>Chrysopsis berlandieri</i>	Berlandier golden-aster.....	++
<i>A. hemisphericus</i>	Great purple aster.....	++	<i>C. mariana</i>	Merland golden-aster.....	+
<i>A. hirtellus</i>	Hairy aster.....	++	<i>Clechorium endivia</i>	Endive.....	+++
<i>A. lateriflorus</i>	Calico aster.....	++	<i>C. intybus</i>	Chicory.....	+++
<i>A. (Ionactis) linariifolius</i>	Narrow-leaf aster.....	++	<i>Cirsium (Carduus) altissimum</i>	Tall thistle.....	+++
<i>A. oblongifolius</i>	Aromatic aster.....	++	<i>C. arvense</i>	Canada thistle.....	+++
<i>A. patens</i>	Sky-drop aster.....	++	<i>C. austrinus</i>	Slender thistle.....	++
<i>A. pedionomus</i>	Purple aster.....	++	<i>C. canescens</i>	Woolly thistle.....	++
<i>A. poaceus</i>	Grass-leaved aster.....	++	<i>C. discolor</i>	Field thistle.....	++
<i>A. salicifolius</i>	River aster.....	++	<i>C. lanceolatum</i>	Bull thistle.....	++
<i>A. sericeus</i>	Western silky aster.....	+	<i>C. muticum</i>	Swamp thistle.....	++
<i>A. spinosus</i>	Spiny aster.....	+	<i>Cnicus benedictus</i>	Blessed thistle.....	++
<i>A. (Machaeranthera) tanacetifolius</i>	Tansy aster.....	++	<i>Coreopsis angustifolia</i>	Calliopsis.....	++
<i>A. umbellatus</i>	Flat-top aster.....	++	<i>C. cardaminefolia</i>	Cress-leaved coreopsis.....	++

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>C. coronata</i>	Crown coreopsis	++	<i>H. quadridentatum</i>	Sneezeweed	++
<i>C. drummondii</i>	Golden-wave	++	<i>H. tenuifolium</i>	Fine-leaf sneeze-weed, bitterweed	++
<i>C. grandiflora</i>	Big coreopsis	++	<i>Helianthus angustifolius</i>	Swamp sunflower	++
<i>C. lanceolata villosa</i>	Lance coreopsis	++	<i>H. annuus</i>	Garden or common sunflower	+++
<i>C. tinctoria</i>	Calliopsis	++	<i>H. argophyllus</i>	Silverleaf sunflower	+++
<i>Cosmos bipinnatus</i>	Common cosmos	++	<i>H. ciliaris</i>	Blue weed	++
<i>C. sulphureus</i>	Yellow cosmos	++	<i>H. cinereus</i>	Hoary sunflower	++
<i>Cynara scolymus</i>	Artichoke	++	<i>H. cucumerifolius</i>	Cucumber-leaf sunflower	+++
<i>Dahlia excelsa</i>	Tree dahlia	+++	<i>H. debilis</i>	Cucumber sunflower	++
<i>D. juarezii</i>	Cactus dahlia	+++	<i>H. decapetalus</i>	Thin-leaf sunflower	++
<i>D. merckii</i>	Bedding dahlia	+++	<i>H. filiformis</i>	Thread-leaf sunflower	++
<i>D. pinnata</i>	Aztec or garden dahlia	+++	<i>H. giganteus</i>	Indian potato, giant sunflower	+++
<i>Echinacea (Brauneria) angustifolia</i>	Hedgehog cone-flower	++	<i>H. hirsutus</i>	Stiff-haired sunflower	+++
<i>E. purpurea</i>	Purple coneflower	++	<i>H. maximiliani</i>	Maximilian sunflower	+++
<i>Echinops humilis</i>	Globe-thistle	++	<i>H. mollis</i>	Ashy sunflower	+++
<i>Encelia calva</i>	Encelia	++	<i>H. occidentalis</i>	Few-leaf sunflower	++
<i>E. subaristata</i>	Encelia	++	<i>H. petiolaris</i>	Prairie sunflower	++
<i>Erigeron annuus</i>	Daisy fleabane	++	<i>H. scaberrimus</i>	Stiff sunflower	++
<i>E. bellidistrum</i>	Western daisy fleabane	++	<i>H. stenophyllus</i>	Narrow-leaf sunflower	++
<i>E. (Leptilon) canadensis</i>	Horse-weed fleabane	++	<i>H. tuberosus</i>	Jerusalem artichoke	+++
<i>E. divaricatus</i>	Purple horse-weed	++	<i>Helichrysum bracteatum</i>	Strawflower	—
<i>Eupatorium altissimum</i>	Tall thoroughwort	++	<i>Heterospermum pinnatum</i>	Heterospermum	—
<i>E. capillifolium</i>	Dog-fennel	++	<i>Heterotheca subaxillaris</i>	Camphor plant	++
<i>E. coelestinum</i>	Mist-flower	++	<i>Hieracium aurantiacum</i>	Orange hawkweed	+
<i>E. compositifolium</i>	Dog-fennel	++	<i>H. gronovii</i>	Hairy hawkweed	+++
<i>E. havanense</i>	Shrubby thoroughwort	+	<i>H. longipilum</i>	Long-bearded hawkweed	++
<i>E. hyssopifolium</i>	Hyssop-leaf thoroughwort	++	<i>H. pilosella</i>	Mouse-eared hawkweed	++
<i>E. perfoliatum</i>	Common boneset	++	<i>Hymenopappus corymbosus</i>	Hymenopappus	++
<i>E. purpureum</i>	Joe-pye weed	+++	<i>H. tenuifolius</i>	Hymenopappus	++
<i>E. rotundifolium</i>	Round-leaf thoroughwort	+++	<i>Isocoma drummondii</i>	Rayless goldenrod	++
<i>E. serotinum</i>	Late-flowering thoroughwort	++	<i>Iva ciliata</i>	Marsh elder	++
<i>E. urticaefolium</i>	White snakeroot	++	<i>I. xanthifolia</i>	Marsh elder	+
<i>Felicia amelloides</i>	Blue daisy	+	<i>Krigia virginica</i>	Dwarf dandelion	+++
<i>Filago (Filaginopsis) nivea</i>	Poverty weed	++	<i>Kuhnia eupatorioides</i>	False boneset	++
<i>Franseria hookeriana</i>	Rosetilla	+	<i>K. rosmarinifolia</i>	False boneset	++
<i>Gaillardia amblyodon</i>	Maroon gaillardia	+	<i>Lactuca canadensis</i>	Wild lettuce	++
<i>G. aristata</i>	Common perennial gaillardia	+++	<i>L. graminifolia</i>	Wild lettuce	++
<i>G. chrysantha</i>	Gaillardia	++	<i>L. hirsuta</i>	Hairy lettuce	++
<i>G. lanceolata</i>	Gaillardia	+	<i>L. ludoviciana</i>	Western prickly lettuce	++
<i>G. pulchella</i>	Firewheel, rose-ring gaillardia	++	<i>L. sativa</i>	Lettuce	++
<i>Gerberia jamesoni</i>	Transvaal daisy	++	<i>L. scariola</i>	Prickly lettuce	++
<i>Gnaphalium falcatum</i>	Cudweed	++	<i>Lepachys (Ratibida) columnaris</i>	Long-head cone-flower, nigger-head	+++
<i>G. polycephalum</i>	Everlasting	+++	<i>L. pinnata</i>	Gray-head cone-flower	++
<i>G. purpureum</i>	Purple cudweed	+++	<i>Liatris (Laciniaria) acida</i>	Slender blazing star	++
<i>G. spatulatum</i>	Cudweed	++	<i>L. elegans</i>	Pinkscale gayfeather	++
<i>G. wrightii</i>	Wright cudweed	++	<i>L. pycnostachya</i>	Prairie blazing star, cattail gayfeather	++
<i>Grindelia microcephala adenodonta</i>	Rosin-weed	++	<i>L. scariosa</i>	Spike gayfeather	++
<i>G. lanceolata</i>	Narrow-leaf gum plant	+++	<i>Lindheimera texana</i>	Texas star daisy	+
<i>G. rubricaulis robusta</i>	Gum plant	++			
<i>G. squarrosa</i>	Tar-weed	++			
<i>Helenium autumnale</i>	Sneezeweed	++			
<i>H. microcephalum</i>	Sneezeweed	++			
<i>H. nudiflorum</i>	Purple-head sneezeweed	++			
<i>H. parviflorum</i>	Sneezeweed	+++			

Table 2. Rating of plants with reference to their relative resistance or susceptibility to *Phymatotrichum* root rot.—Continued.

Technical names	Common names	Relative susceptibility to root rot	Technical names	Common names	Relative susceptibility to root rot
<i>Lygodesmia texana</i>	Flowering straw	++	<i>Sitilias</i> (<i>Pyrrhopappus</i>)		
<i>Marshallia caespitosa</i>	Puffballs.....	++	<i>caroliniana</i>	False dandelion.....	++
<i>M. obovata</i>			<i>S. grandiflora</i>	False dandelion.....	++
(<i>grandiflora</i>).....	Barbara's-buttons....	++	<i>S. multicaulis</i>	False dandelion.....	++
<i>Melampodium</i>			<i>Solidago altissima</i>	Tall goldenrod.....	+
<i>cinereum</i>	Mountain daisy, pole melampod- ium.....	++	<i>S. caesia</i>	Wreath goldenrod....	++
<i>M. leucanthum</i>	White melampod- ium.....	++	<i>S. canadensis</i>	Canada goldenrod....	++
<i>M. ramosissimum</i>	Branched melampod- ium.....	++	<i>S. gattingeri</i>	Gattinger goldenrod..	++
<i>Mikania scandens</i>	Climbing hemp- weed.....	+++	<i>S. hirsutissima</i>	Goldenrod.....	++
<i>Parthenium</i>			<i>S. notabilis</i>	Clasping goldenrod..	++
<i>argentatum</i>	Guayule.....	++	<i>S. odora</i>	Sweet goldenrod.....	++
<i>P. hysterophorus</i>	Ragweed.....	++	<i>S. petiolaris</i>	Downy goldenrod....	++
<i>Pectis tenella</i>	Limoncillo.....	++	<i>S. radula</i>	Western rough gold- enrod.....	++
<i>Polypteris</i> (<i>Palafoxia</i>)			<i>S. rigida</i>	Stiff goldenrod.....	++
<i>callosa</i>	Polypteris.....	++	<i>S. rigidiuscula</i>	Slender showy goldenrod.....	++
<i>P. hookeriana</i>	Palafoxia.....	++	<i>S. serotina</i>	November golden- rod.....	++
<i>P. texana</i>	Texas palafoxia....	++	<i>S. tortifolia</i>	Twisted-leaf golden- rod.....	++
<i>Rudbeckia</i>			<i>S. ulmifolia</i>	Elm-leaf goldenrod..	++
<i>alismaefolia</i>	Coneflower.....	++	<i>Sonchus arvensis</i>	Field sow thistle....	+
<i>R. amplexicaulis</i>	Clasping coneflower	++	<i>S. asper</i>	Spiny-leaved sow thistle.....	++
<i>R. bicolor</i>	Pinewoods cone- flower.....	+	<i>S. oleraceus</i>	Common sow thistle	++
<i>R. floridana</i>	Florida coneflower..	++	<i>Stokesia laevis</i>	Stokes aster.....	+
<i>R. fulgida</i>	Orange coneflower..	++	<i>Tagetes erecta</i>	African marigold....	-
<i>R. glabra</i>	Smooth coneflower..	++	<i>T. patula</i>	French marigold....	-
<i>R. grandiflora</i>	Coneflower.....	++	<i>T. tenuifolia pumila</i>	Dwarf marigold.....	-
<i>R. hirta</i>	Black-eyed-susan, yellow daisy.....	++	<i>Taraxacum</i>		
<i>R. laciniata hortensis</i>	Goldenglow.....	++	(<i>Leontodon</i>)		
<i>R. maxima</i>	Great coneflower....	++	<i>officinalis</i>	Dandelion.....	+++
<i>R. nitida</i>	Autumn glory.....	++	<i>Tetragonotheca</i>		
<i>R. submontosa</i>	Sweet coneflower....	++	<i>texana</i>	Ragged daisy.....	+++
<i>R. triloba</i>	Brown-eyed-susan....	++	<i>Thelesperma</i>		
<i>Santolina</i>			<i>burridgeanum</i>	Thelesperma.....	++
<i>chamaecyparissus</i>	Mexican sage, lavender cotton....	+	<i>Tithonia rotundifolia</i>	Tithonia.....	+
<i>Senecio aureus</i>	Golden ragwort, groundsel.....	++	<i>Tragopogon</i>		
<i>S. balsamitae</i>			<i>porrifolius</i>	Salsify.....	+++
(<i>pauperculus</i>).....	Balsam groundsel....	+++	<i>T. pratensis</i>	Meadow salsify, goats-beard.....	+++
<i>S. cruentus</i>	Cineraria.....	+++	<i>Tussilago farfara</i>	Colts-foot.....	++
<i>S. glabellus</i>	Squaw-weed, butter- weed.....	++	<i>Verbesina</i> (<i>Ximenesia</i>)		
<i>S. jacobaea</i>	Staggerwort, tansy ragwort.....	++	<i>encelioides</i>	Skunk-daisy.....	++
<i>S. mikantoides</i>	German ivy, ivy groundsel.....	++	<i>V. texana</i>	Crownbeard.....	+
<i>S. obovatus</i>	Squaw-weed, round- leaf groundsel.....	+++	<i>V. virginica</i>	Indian tobacco, frostweed.....	+
<i>S. obovatus rotundus</i>	Roundleaf groundsel	+++	<i>Vernonia altissima</i>	Tall ironweed.....	++
<i>S. plattensis</i>	Prairie ragwort.....	++	<i>V. baldwinii</i>	Baldwin ironweed....	++
<i>S. vulgaris</i>	Common groundsel..	++	<i>V. fasciculata</i>	Western ironweed....	++
<i>Sideranthus</i>			<i>V. missurica</i>	Missouri ironweed....	+
(<i>Eriocarpum</i>) <i>cotula</i>	Yellow daisy, side- ranthus.....	++	<i>Viguiera</i>		
<i>S. rubiginosus</i>	Yellow daisy, side- ranthus.....	++	<i>helianthoides</i>	Viguiera.....	+
<i>Silphium gracile</i>	Slender rosin-weed..	++	<i>Xanthisma texanum</i>	Sleepy daisy.....	++
<i>S. integrifolium</i>	Rosin-weed.....	++	<i>Xanthium</i>		
<i>S. laciniatum</i>	Compa plant.....	++	<i>americanum</i>	Cocklebur, clotbur....	++
			<i>X. canadense</i>	Cocklebur.....	++
			<i>X. commune</i>	Common cocklebur....	++
			<i>X. pennsylvanicum</i>	Cocklebur.....	++
			<i>X. speciosum</i>	Cocklebur.....	++
			<i>X. (Acanthoxanthium)</i>		
			<i>spinosum</i>	Spiny cocklebur.....	++
			<i>Zexmenia hispida</i>	Zexmenia.....	++
			<i>Zinnia angustifolia</i>	Mexican zinnia.....	+
			<i>Z. elegans</i>	Common zinnia.....	+

ALPHABETIC INDEX

This index lists alphabetically common names of the plants, and technical names of families and genera but not species. Technical names of genera given in the list as synonyms are here indexed in *italics*, as in the list. Common names are given usually only once, under the most important word. For example, "Tar weed" is indexed as "Tar weed," and "Silvery croton" as "Croton, silvery."

Root-rot ratings have been inserted in this index following the common names of plants, so that the ratings of plants with recognized common names may be found easily. Where several different plants with the same common name have different root-rot ratings, the ratings have been omitted from the index. When several plants have the same common name and the same ratings, these are given only once. The ratings are not repeated for the technical names and should be sought in the list on the pages indicated.

In this index, the page numbers are followed by small letters "a" or "b", to indicate respectively the columns on the left or right sides of the pages.

Page	Page	Page
Abelia.....32a	Agarita, +.....19a	AMARYLLIDACEAE.....15b
Chinese, ++.....32a	Agastache.....30b	Amaryllis.....15b
glossy, ++.....32a	Agave.....15b	Amazonlily, —.....15b
Mexican, ++.....32a	Ageratum.....33a	Ambrosia.....33a
Abies.....13a	Agrimonia.....20b	Amelanchier.....20b
Abronia.....18a	Agrimony, small- flowered, +.....20b	Amianthium.....15a
Abutilon.....25a	soft, ++.....20b	Ammoselinum.....27b
Brazilian, +++.....25a	tall hairy, ++.....20b	Amorpha.....21a
painted, +++.....25a	Agropyron.....13b	Ampelopsis.....25a
velvet leaf, ++++.....25a	Agrostis.....13b	heartleaf, ++.....25a
Acacia.....21a	Ailanthus.....23b	Amsonia.....29a
bald, +++.....21a	ALIZOACEAE.....18b	Amygdalus.....20b
rose, ++.....22b	Alder, American green, +++.....16b	Anacabuita, +.....30a
sweet, —.....21a	black.....16b, 24b	ANACARDIACEAE.....24a
Acalypha.....23b	mountain, +++.....16b	Anacua, +.....30a
ACANTHACEAE.....32a	red, +++.....16b	Anagallis.....28a
Acanthocereus.....26b	smooth, ++.....16b	Ancistrocactus.....26b
Acanthochiton.....18a	Aletris.....14b	Andropogon.....13b
Acanthopanax.....27b	Aleurites.....23b	Androstephium.....15a
Acanthoxanthium.....35b	Alfalfa, ++++.....22a	Anemone.....19a
Acanthus.....32a	wild, ++.....22b	garden, +.....19a
soft, ++.....32a	Alfileria, —.....23a	Japanese, —.....19a
Acer.....24b	ALISMACEAE.....13b	poppy, +.....19a
ACERACEAE.....24b	Allionia.....18a	Anemonella.....19a
Acerates.....29a	Allium.....14b	Anethum.....27b
Achania.....25b	Almond, +++.....20b	Angelica, ++.....27b
Achillea.....33a	Alnus.....16b	Angelico, +.....27b
Achyranthes.....18a	Aloe, —.....15a	Angel's trumpet, +++.....18a
Acleisanthes.....18a	Aloes, false, —.....15b	ANGIOSPERMAE.....13b
Acnida.....18a	Aloysia.....30a	Angle-pod, ++.....29b
Aconitum.....19a	Alpinia.....16a	Anise, ++.....27b
Acorus.....14b	Alsine.....18b	Annona.....19b
Actinea.....33a	Alternanthera.....18a	ANNONACEAE.....19b
Adder's tongue, —.....15a	Althaea.....25b	Anoda.....25b
Adelia.....28b	Alyssum.....20a	Antelope horns, ++.....29a
Adelia, ++.....28b	Alyssum.....19b	Anthemis.....33a
privet, ++.....28b	sweet, —.....20a	Anthericum.....15a
Texas, ++.....28b	wild, —.....20a	Anthriscus.....27b
Adenoropium.....24a	Amaranth, +.....18a	Anticlea.....15b
Adenostoma.....20b	blood, +.....18a	Antirrhinum.....31b
Aeschynomene.....21a	globe, —.....18a	Antirrhinum.....31b
Aesculus.....24b	spiny, +.....18a	Aphanostephus.....33a
Aethusa.....27b	AMARANTHACEAE.....18a	Apios.....21b
African-lily, —.....14b	Amaranthus.....18a	Apium.....27b
Agalinis.....31b		Aplopappus.....33a
Agapanthus.....14b		

Page		Page		Page	
APOCYNACEAE.....29a		Aster—(Cont'd)		Bearberry, ++.....28a	
Apocynum.....29a		spiny, +.....33a		Beard-tongue, ++.....31b	
Apple, ++++.....21a		Stokes, +.....35b		tube, +++.....31b	
Apple-of-Peru, ++.....31a		tansy, ++.....33a		white, ++.....31b	
Apricot, +++.....21a		western silky, +.....33a		Beargrass, —.....15b	
AQUIFOLIACEAE.....24b		white heath, ++.....33a		Beaucarnea.....15a	
Aquilegia.....19a		wreath, +.....33a		Beauty-bush, +.....32a	
Arabis.....19b		Astragalus.....21b		Beaverwood, +.....17a	
ARACEAE.....14b		Atamosco.....15b		Bed-straw, sweet	
Arachis.....21b		Athel, ++.....26a		scented, ++.....32a	
<i>Aragallus</i>22a		Atriplex.....17b		Bee-brush, +.....30a	
Aralia.....27b		Audubertia.....30b		Beech, American, ++.....16b	
five-leaved, ++.....27b		Autumn glory, ++.....35a		blue, ++.....16b	
ARALIACEAE.....27b		Avena.....13b		Japanese, ++++.....16b	
Araucaria.....13a		Avens, Japanese, ++.....21a		Beet, garden, ++++.....17b	
Brazilian, +.....13a		white, ++.....21a		sugar, ++++.....17b	
Arborvitae.....13b		Avocado, ++++.....19b		Beggar's lice, ++.....30a	
American, ++.....13b		<i>Asalea</i>28a		Beggar-ticks, ++.....33b	
Douglas pyramidal, +13b		Azalea, Piedmont, +++.....28a		swamp, +.....33b	
giant, ++.....13b		smooth, ++.....28a		Beggarweed,	
oriental, ++.....13b				Florida, +++.....22a	
Ware, +.....13b				Begonia.....26b	
Arbutus.....28a		Baby blue-eyes, —.....30a		slender, —.....26b	
Arctium.....33a		Babys-breath.....18b, 32a		BEGONIACEAE.....26b	
Arctostaphylos.....28a		Baccharis.....33b		Belladonna-lily, —.....15b	
Arctotis.....33a		Bachelor's-button, +.....18a		Bellis.....33b	
bushy, ++.....33a		Bahia.....33b		Bellwort, —.....15b	
Arenaria.....18b		Balloonflower, ++.....32b		Beloperone.....32a	
Argemone.....19b		Balloonvine, ++++.....24b		Belvedere, ++.....17b	
Argyrea.....29b		small-fruited, ++++.....24b		Bentgrass, —.....13b	
Argythamnia.....23b		woolly, ++.....24b		Benzoine.....19b	
Ariocarpus.....26b		Balsam, garden, +.....25a		BERBERIDACEAE.....19a	
Arisaema.....14b		Balsam-apple, —.....32b		Berberis.....19a	
Aristolochia.....17a		BALSAMINACEAE.....25a		Berchemia.....25a	
ARISTOLOCHACEAE.....17a		Bamboo, —.....13b		Bergamot, hairy wild, —.....30b	
Aronia.....20b		blackjoint, —.....14a		wild, —.....30b	
Arrow-arum, —.....14b		golden, —.....14a		Berlandiera.....33b	
Arrowleaf, —.....13b		Japanese timber, —.....14a		Bermuda grass, —.....14a	
Arrowroot, —.....16a		Bambusa.....13b		Beta.....17b	
Arrow vine, +.....17b		Baptisia.....21b		Betony, common, —.....31a	
Artemisia.....33a		Barbados-cherry, +.....23b		Betula.....16b	
Artichoke, ++.....34a		Barbara's-buttons, +++.....35a		BETULACEAE.....16b	
Jerusalem, ++++.....34b		Barbarea.....19b		Bidens.....33b	
ASCLEPIADACEAE.....29a		Barberry, Allegheny, ++.....19a		Bifora.....27b	
Asclepias.....29a		black, +.....19a		<i>Bignonia</i>31b	
Asclepiodora.....29a		box, +.....19a		BIGNONIACEAE.....31b	
Ash, black, ++.....28b		common, ++.....19a		<i>Bikukulla</i>19b	
Chinese, ++.....28b		Himalayan, +.....19a		Bindweed, +++.....29b	
European, ++.....28b		Japanese, ++.....19a		black, ++.....17a	
fragrant, ++.....28b		warty, +.....19a		field, ++++.....29b	
green, ++.....28b		Barley, —.....14a		gray, ++++.....29b	
Gregg, ++.....28b		foxtail, —.....14a		hedge, ++++.....29b	
prickly, ++.....28b		Barnyard grass, —.....14a		hoary, ++++.....29b	
red, ++.....28b		BASELLACEAE.....17b		Birch, gray, ++++.....16b	
Texas, ++.....28b		Basil, —.....30b		red, ++++.....16b	
water, ++.....28b		Basket-flower, —.....15b		river, ++++.....16b	
white, ++++.....28b		Basketflower, ++.....33b		sweet, ++.....16b	
Asimina.....19b		Basket grass, —.....15a		white, ++.....16b	
Asparagus, —.....15a		<i> Batodendron</i>28a		yellow, ++.....16b	
fern, —.....15a		Bauhinia.....21b		Bird's nest, ++.....27b	
smilax, —.....15a		Bay, mountain rose, ++.....28a		Bishopscap, ++++.....20b	
Asphodeline.....15a		Bayberry, +.....16b		Bittersweet,	
Aspidistra.....15a		California, +.....16b		American, ++.....24b	
Aster.....33a		waxmyrtle, ++.....16b		Bitterweed, ++.....34b	
aromatic, ++.....33a		Bean, asparagus, ++.....22b		Blackberry,	
calico, ++.....33a		Florida, ++++.....22b		highbush, ++.....21a	
China, ++.....33b		hyacinth, ++.....22a, 22b		Black-eyed-susan, ++ 32a, 35a	
Drummond, ++.....33a		jack, ++.....21b		Blackhaw, ++.....32b	
flat-top, ++.....33a		June, ++.....21b		southern, ++++.....32b	
grass-leaved, ++.....33a		kidney, ++++.....22b		Black-root, +.....31b	
great purple, ++.....33a		lima, ++++.....22b		Bladder-pod, —.....20a	
hairy, ++.....33a		moth, ++.....22b		Blazing star.....26b	
late purple, ++.....33a		mung, ++.....22b		prairie, ++.....34b	
narrow-leaf, ++.....33a		potato, ++.....21b		slender, ++.....34b	
purple, ++.....33a		rice, ++.....22b		Bleeding-heart, +.....19b	
river, ++.....33a		scarlet runner, ++.....22b		Blood leaf, —.....18a	
roadside, ++.....33a		screw, ++.....22b		Bloodroot, +.....19b	
sky-blue, ++.....33a		sword, ++.....21b		Bloodweed, ++++.....33a	
sky-drop, ++.....33a		tepary, ++++.....22b		Bloomer.....15a	
southern smooth, ++ 33b		velvet, ++.....22b		Bluebell, Spanish, —.....15b	
		Bean vine, ++.....22b		Texas, +.....29a	

Page	Page	Page
Bluebells, Virginia, ++...30a	Buttercup.....19a	CANNACEAE.....16a
Bluebonnet, Texas, +...22a	celery-leaved, —.....19a	Canterbury-bells, ++...32b
Blue-curls, —.....31a	creeping, +.....19a	Cape-honeysuckle, ++...31b
Blue-dicks, —.....15a	wedge-leaved, +.....19a	Cape-jasmine, ++...32a
Blue-eyed-grass, —.....16a	Butterfly-bush.....19a	Capnoides.....19b
dwarf, —.....16a	globe, +++.....29a	CAPRIFOLIACEAE.....32a
Blue-lips, —.....30b	white, +++.....29a	Capriola.....14a
Blue star, Texas, —.....29a	Butterfly flower.....29a	Capsella.....20a
Blue-toadflax, ++...31b	wingleaf, ++...31a	Capsicum.....31a
Bluets, +.....32a	Butterflyflower, +++...27a	Caragana.....21b
Blue-weed, ++...30a, 34b	Butterfly-pea.....21b	Caraway, +++...27b
Boat-lily, —.....14b	Butterfly-weed, +++...29a	Cardinal-climber, +++...29b
Boehmeria.....17a	Butter-weed, ++...35a	Cardinal feather, ++...23b
Boerhaavia.....18a	Buttonbush, ++...32a	Cardinal flower, ++...33a
Bois d'arc, +.....17a	Buttonweed, ++...32a	Cardinal's guard, ++...32a
Boltonia.....33b	Buttonwood, +.....20b	Cardiospermum.....24b
Boneset, common, ++...34a	BUXACEAE.....24a	Carduus.....33b
false, ++...34b	Buxus.....24a	Careless-weed, +.....18a
BORAGINACEAE.....30a	Cabbage, +.....19b	Carex.....14a
Bouncing-Bet, +.....18b	Chinese, —.....20a	Carica.....26b
Boussingaultia.....17b	Cacalia.....33b	CARICACEAE.....26b
Bouvardia.....32a	CACTACEAE.....26b	Carnation, +.....18b
scarlet, +.....32a	Cactus, barrel, ++...26b	Carpenteria.....20a
Bowlesia.....27b	button, ++...26b	Carpetweed, +.....18b
Box, ++...24a	Coryphantha, ++...26b	Carpinus.....16b
Box-elder, ++...24b	deer-horn, ++...27a	Carrot, +++...27b
California, ++...24b	devil's-head, ++...26b	Carum.....27b
Boykinia.....20a	fishhook, ++...26b	Carya.....16b
Bradburya.....21b	hemisphere, ++...27a	CARYOPHYLLACEAE.....18b
Brassica.....19b	lead-pencil, ++...27a	Cassava, ++...24a
Brauneria.....34a	nipple, ++...26b	Cassia.....21b
Brayodendron.....28b	triangle, ++...26b	Castanea.....16b
Breath-of-heaven, —.....23b	twisted-rib, ++...26b	Castilleja.....31b
Breweria.....29b	Cajanus.....21b	Castor-bean, +++...24a
Bridal-wreath, ++...21a	Calabazilla, —.....32b	Catalpa.....31b
Brier, sensitive, +++...22b	Caladium, —.....14b	common, +++...31b
Bristlegrass, green, —.....14a	spotted, —.....14b	western, +++...31b
yellow, —.....14a	Calathea.....16a	Catananche.....33b
Broadbean, ++...22b	Calceolaria.....31b	Catchfly, forked, +.....18b
Broccoli, +.....19b	Calendula, +.....33b	night-flowering, +.....18b
Brodiaea.....15a	Calico bush, ++...30a	sleepy, +.....18b
Brome, smooth, —.....13b	Calico-flower, ++...17a	Catclaw, +.....21a
Bromus.....13b	Calla, common, —.....14b	Cat-gut, ++...21b
Brookweed, —.....28a	golden, —.....14b	Cathartidinum.....23a
Broom, ++...22a	pink, —.....14b	Catnip, —.....30b
Broomcorn, —.....14a	spotted, —.....14b	Catnip giant-hyssop, —.....30b
Broomsedge, —.....13b	Callicarpa.....30a	Cats-claw, —.....22b
Broussonetia.....22b	Calciopsis, ++...33b, 34a	Cattail, —.....13b
Broussonetia.....17a	Callirhoe.....25b	narrowleaf, —.....13b
Brown-eyed-susan, ++...35a	Callistephus.....33b	Cauliflower, +.....19b
Brown-eyed-susan, ++...35a	Callitris.....13a	Ceanothus.....25a
Buckeye, California, ++...24b	Calochortus.....15a	Cebalpa.....19b
Ohio, ++...24b	Calonyction.....29b	Cedar, Alaska, ++...13a
red, ++...24b	Calophanes.....32a	Atlas, +.....13a
Texas, —.....24b	Caltha.....19a	mountain, +.....13a
woolly, ++...24b	Caltrop, ++...23a	red, +.....13a
yellow, ++...24b	hairy, +.....23a	white, ++...13a
Buckthorn, ++...25a	Camass, —.....15a	Cedar of Lebanon, ++...13a
Carolina, ++...25a	Camassia.....15a	Cedrus.....13a
cascara, ++...25a	Camelina.....20a	Celandine, +.....19b
Buckwheat, climbing	Camomile, corn, ++...33a	CELASTRACEAE.....24b
false, ++...17b	Camote de raton, ++...22a	Celastrus.....24b
wild, —.....17a	Campanula.....32b	Celery, +.....27b
Buddleia.....29a	CAMPANULACEAE.....32b	Celestials, —.....16a
Buffaloberry, yellow, +...27a	Camphorosma.....17b	Celosia.....18a
Buffalo bur.....31a	Camphor plant, ++...34b	Celtis.....17a
Buffalogourd, —.....32b	Camphor-tree, ++...19b	Cenchrus.....13b
Bumelia.....28a	Campion, evening, +...18b	Centaurea.....33b
Bunchflower, —.....15a	Campsis.....31b	Centaurium.....29a
Burdock, common, ++...33a	Canaille, ++...17b	Centrosema.....21b
Bur-marigold, +.....33b	Canavalia.....21b	Centuryplant, —.....15b
Burningbush.....24b	Candlenut tree, ++...23b	Cephalanthus.....32a
evergreen, ++...24b	Candlewood, +.....26a	Cerastium.....18b
Bur-seed, +.....30a	Candytuft, common	Cercis.....21b
Bush-clover.....22a	white, —.....20a	Cercocarpus.....20b
Japan, ++...22a	sweet, —.....20a	Cereus.....26b, 27a
Bush-honeysuckle.....32a, 32b	Candyweed, +.....23b	Cestrum.....31a
ever-blooming, ++...32b	Canna.....16a	Chaenomeles.....20b
Butter-and-eggs, ++...31b	edible, —.....16a	Chaerophyllum.....27b
	Cannabis.....17a	Chaetochloa.....14a
		Chaetopappa.....33b

Page	Page	Page
Chaff-flower.....18a	Citrus.....23a	CORNACEAE.....28a
Chalice-vine, +.....31a	Cladotrich.....18a	Cornflower, ++.....33b
Chamaecrista.....21b	Clarkia.....27a	Cornsalad, +.....32b
Chamaecyparis.....13a	Claytonia.....18b	Cornus.....28a
Chamaesyce.....24a	Cleavers, +.....32a	Cortaderia.....14a
Chamisso, ++.....17b, 20b	Clematis, +.....19a	Corydalis.....19b
Chaparral berry, +.....19a	curly, +.....19a	Corylus.....16b
Chard, Swiss, +++.....17b	scarlet, +.....19a	Coryphantha.....26b
Charlock, ++.....19b	Clintonia.....15a	Cosmos.....34a
Chaste-tree, cut-leaf, ++ 30b	Clitoria.....21b	common, ++.....34a
lilac, ++.....30a	Clock-vine, black- eyed, ++.....32a	yellow, +++.....34a
Negundo, ++.....30b	Clobur, ++.....35b	Cotinus.....24a
Cheat, —.....13b	Clover, alsike, +++.....22b	Cotoneaster.....20b
Checker-lily, —.....15a	buffalo, ++.....22b	Pekin, ++.....20b
Cheeses, +++.....25b	bur, +.....22a	rock, +++.....20b
Cheiranthus.....20a	Hubam, +++.....22a	silverleaf, +++.....20b
Cheiranthus.....20a	jointed.....21b, 22a	spreading, ++.....20b
Chelidonium.....19b	low hop, +.....22b	Cotton, Chinese, +++.....25b
Chenille plant, ++.....23b	pin, —.....23a	Ecuador, +++.....25b
CHENOPODIACEAE.....17b	red, +++.....22a	Egyptian, ++.....25b
Chenopodium.....17b	spotted bur, ++.....22a	Florida tree, +++.....25b
Cherry, Nanking, +++.....21a	tick.....21b, 22a	Indian tree, +++.....25b
sour, +++.....21a	white, +++.....22a	kidney, +++.....25b
sweet, ++.....21a	zigzag, +++.....22b	Levant, +++.....25b
wild black, +.....21a	Cnicus.....33b	Lower California wild, +++.....25b
Cherry-laurel, ++.....21a	Cnidocolus.....24a	Mexican, +++.....25b
Chervil.....27b	Cocculus.....19b	Mexican semi- wild, +++.....25b
turnip-rooted, +++.....27b	Cocklebur, ++.....35b	Peruvian tree, +++.....25b
Chess, —.....13b	common, ++.....35b	Sea-Island, +++.....25b
Chestnut, +++.....16b	spiny, ++.....35b	Tanguis, +++.....25b
Japanese, +++.....16b	Cockscomb, —.....18a	upland, +++.....25b
Spanish, +++.....16b	Coffee bean, +.....22b	Cotton-rose, +++.....25b
Chickpea, +++.....21b	Coffee-tree, Kentucky, +.....22a	Cotton-weed, +.....18a
Chickweed, +.....18b	Coleus, —.....30b	Cottonwood, Carolina, +++.....16a
common, +.....18b	Collinsia.....30b	narrowleaf, +++.....16a
Indian, +.....18b	Colocasia.....14b	smoothbark, +++.....16a
mouse-ear, +.....18b	Colocasia.....14b	southern, +++.....16a
powder-horn, +.....18b	Colts-foot, ++.....35b	swamp, +++.....16a
Chicory, +++.....33b	Columbine, +.....19a	Covillea.....23a
Chile-bells, —.....15a	common, +.....19a	Cow-herb, +.....18b
Chilopsis.....31b	golden, +.....19a	Cow-itch vine, ++.....25a
China, wild, +++.....24b	southern, +.....19a	Cowpea, ++.....22b
Chinaberry tree, +++.....23b	Commelina.....14b	Crab-apple, southern, +.....21a
China-brier, —.....15b	COMMELINACEA.....14b	Crabgrass, —.....14a
China tree, umbrella, +++.....23b	Compass-plant, ++.....35a	smooth, —.....14a
Chinquapin, +++.....16b	COMPOSITAE.....33a	Cracca.....21b
Florida, +++.....16b	Coneflower, ++.....35a	Crambe.....20a
Chionanthus.....28b	clasping, ++.....35a	Cranberry, large, —.....28a
Chittam wood, ++.....28a	Florida, +.....35a	small, —.....28a
Chloris.....13b	gray-head, ++.....34b	Cranesbill, Carolina, —.....23a
Choisya.....23a	great, ++.....35a	silver-leaved, —.....23a
Chokeberry, purple, ++.....20b	hedgehog, ++.....34a	Crapemyrtle, ++.....27a
red, +++.....20b	long-head, +++.....34b	Crataegus.....20b
Chokecherry, ++.....21a	orange, ++.....35a	Creeping, pepper- vine, +++.....25a
western, ++.....21a	pinewoods, +.....35a	Texas, ++.....25a
Christmas-berry, +++.....31a	purple, ++.....34a	Virginia, +++.....25a
Christmasberry, ++.....21a	smooth, +++.....35a	wall, ++.....25a
Chrysanthemum.....33b	sweet, ++.....35a	Creosote bush, +.....23a
common, +++.....33b	Conium.....27b	Cress, garden, —.....20a
florists, ++.....33b	Convallaria.....15a	penny, —.....20a
Chrysogonum.....33b	CONVOLVULACEAE.....29b	rock, —.....19b
Chrysopsis.....33b	Convolvulus.....29b	water, —.....20a
Chrysosplenium.....20a	Cooperia.....15b	Crocathemum.....26b
Chufa, —.....14a	Copperleaf, ++.....23b	Crocus.....16a
Cicer.....21b	Coralbean, +.....22a	Crotalaria, +.....21b
Cichorium.....33b	Coralbells, ++.....20a	Croton.....23b
Cienfuegosia.....25b	Coralberry, —.....32b	gulf, ++.....23b
Cimicifuga.....19a	Coral bush, Melbourne, ++.....22b	sand, ++.....23b
Cineraria, ++.....35a	Coral-plant, ++.....24a	shrubby, ++.....23b
Cinnamomum.....19b	Coraltree, +++.....20a	silvery, ++.....23b
Cinquefoil, Alpine, +.....21a	Cordia.....32a	white, ++.....23b
rough, +.....21a	Cordylina.....15b	woolly, +++.....23b
silvery, +.....21a	Coreopsis.....33b	Crotonopsis.....23b
Cirsium.....33b	big, ++.....34a	Crowfoot, early, +.....19a
Cissampelos.....25a	crenate-leaved, ++.....33b	Crownbeard, +.....35b
CISTACEAE.....26b	crown, ++.....34a	Crowpoison, —.....15b
Citron.....23a, 32b	lance, ++.....34a	CRUCIFERAE.....19b
Citrinella, —.....30b	Coriander, ++.....27b	
Citrullus.....32b	Corn, —.....14a	

	Page		Page		Page
Cucumber, +	32b	Dasheen, —	14b	<i>Dracocephalum</i>	30b
creeping, —	32b	Dasylyrion, —	15a	<i>Dracocephalum</i>	30b
cut-leaf bur, —	32b	Date palm, —	14a	Dragonhead, false, —	30b
Cucumis	32b	Canary, —	14a	Dragonroot, —	14b
Cucurbita	32b	Ceylon, —	14a	Durra, —	14a
CUCURBITACEAE	32b	cliff, —	14a	Dusty miller, +++	33b
Cudweed, ++	34a	Datura	31a	Dutchmans-breeches, ++	19b
purple, +++	34a	Hindu, +++	31a	Dyschoriste	32a
Wright, ++	34a	sacred, ++	31a		
Culver's physic, +	31b	Daubentonia	21b	EBENACEAE	28b
Cunila	30b	Daucus	27b	Ebony, mountain, —	21b
Cupids-dart, +++	33b	Dayflower, —	14b	Texas, —	22b
<i>Cupressus</i>	13a	creeping, —	14b	Echinacea	34a
Cupressus	13a	Daylily, narrow dwarf, —	15a	<i>Echinocactus</i>	26b, 27a
Curran, American		orange, —	15a	<i>Echinocactus</i>	26b
black, +	20b	tall yellow, —	15a	<i>Echinocereus</i>	26b
common, ++	20b	tawny, —	15a	<i>Echinochloa</i>	14a
Cushaw, —	32b	yellow, —	15a	<i>Echinocystis</i>	32b
Cyamopsis	21b	Death-camas, —	15b	<i>Echinomastus</i>	26b
Cyclamen	28a	Deer-pea, ++	22b	<i>Echinops</i>	34a
common, +	28a	Delphinium	19a	<i>Echium</i>	30a
florist's, +	28a	Derris, ++	21b	<i>Edwinia</i>	20b
Cyclanthera	32b	Desmodium	21b	Eggplant, ++	31a
Cycloloma	17b	Deutzia, ++	20a	Ehretia	30a
<i>Cydonia</i>	20b	fuzzy, ++	20a	ELAEAGNACEAE	27a
Cydonia	21a	Lemoine, +	20a	Elaeagnus	27a
Cynara	34a	slender, ++	20a	Elaeodendron	24b
Cynoctonum	29a	Devil's bouquet, ++	18a	Elder, American, ++	32b
Cynodon	14a	Devil's elbow, ++	28b	European, ++	32b
Cynoglossum	30a	Devil's shoe strings, ++	21b	marsh	34b
<i>Cynoxylon</i>	28a	Devilstongue, —	14b	red, ++	32b
CYPERACEAE	14a	Devils-walking-		Elephants-ear, —	14b
Cyperus	14a	stick, +++	27b	Elm, American, +++	17a
Cypress, Arizona, ++	13a	Devil-wood, ++	29a	cedar, +	17a
bald, ++	13b	Dewberry, eastern, +	21a	Chinese, +++	17a
dwarf Hinoki, ++	13a	southern, +	21a	red, +++	17a
Hinoki, ++	13a	Dianthera	32a	rock, ++	17a
Italian, ++	13a	Dianthus	18b	slippery, +++	17a
Macnab, ++	13a	Dicentra	19b	winged, ++	17a
Monterey, ++	13a	DICOTYLEDONEAE	16a	<i>Emilia</i>	33b
Montezuma, ++	13b	Diervilla	32a	Emmenanthe	29b
Nootka, ++	13a	Digitalis	31b	Emmer, —	14a
Portuguese, +++	13a	Digitaria	14a	Empress tree, +	31b
smooth, +++	13a	Dill, +++	27b	Encelia	34a
standing, +	29b	Diodia	32a	Endive, +++	33b
Cypress-pine, ++	13a	Dioscorea	15b	Epilobium	27a
Cypress-vine, +++	29b	DIOSCOREACEAE	15b	Epithelantha	26b
		Diosma	23b	ERICACEAE	28a
Daffodil, —	15b	Diospyros	28b	Erigeron	34a
petticoat, —	15b	DIPSACACEAE	32b	Eriobotrya	21a
Dahlia	34a	Dipsacus	32b	<i>Eriocarpium</i>	35a
Aztec, +++	34a	<i>Disella</i>	26a	Eriogonum	17a
bedding, +++	34a	Disporum	15a	Erodium	23a
cactus, +++	34a	<i>Ditaxis</i>	23b	Eryngium	27b
garden, +++	34a	Ditaxis, low, ++	23b	Eryngo, ++	27b
tree, +++	34a	Dock	17b	Erysimum	20a
Dahoon, +	24b	bitter, ++	17b	<i>Erythraea</i>	29a
Daisy, African, ++	33a	fiddle, ++	17b	Erythrina	22a
Berlandier, ++	33b	pale, ++	17b	Erythronium	15a
blue, +	34a	swamp, ++	17b	Escallonia	20a
English, +++	33b	yellow, +++	17b	Fschscholtzia	19b
mountain, ++	35a	Dodecatheon	28a	Escobaria	26b
oxeye, ++	33b	Dogbane, hemp, +	29a	Eucharis	15b
ragged, +++	35b	spreading, +	29a	Euchlaena	14a
Shasta, ++	33b	Dog-fennel, ++	33a, 34a	Euonymus	24b
sleepy, ++	35b	Dogwood, blood-		spreading, ++	24b
Texas star, +	34b	twig, +++	28a	Eupatorium	34a
Transvaal, ++	34a	flowering, +++	28a	Euphorbia	23b
western, ++	33b	pagoda, ++	28a	EUPHORBIACEAE	23b
white, ++	33a	red-flowering, +++	28a	Eustoma	29a
yellow, ++	33a, 35a	roughleaf, ++	28a	Evening primrose, +	27a
Daisy fleabane, ++	34a	silkly, ++	28a	common, ++	27a
western, ++	34a	Tatarian, +++	28a	Drummond, ++	27a
Dalea, ++	21b	<i>Dolicholus</i>	22b	Ozark, ++	27b
golden, ++	21b	Dolichos	22a	yellow, +	27a
purple, ++	21b	Dolichochele	26b	Everlasting, +++	34a
Dandelion, ++	35b	Doryanthes	15b	Eve's necklace, +	22b
dwarf, ++	34b	Doxantha	31b	Evolvulus	29b
false, ++	35b	Draba	20a	Exochorda	21a
Darlingtonia	20a	Dracaena	15a	Eysenhardtia	22a
Darnel, —	14a	Dracaena	15a		

Page	Page	Page
FAGACEAE.....16b	Gaillardia--(Cont'd)	Gooseberry, English, ++, 20b
Fagus.....16b	maroon, +.....34a	Georgia, +.....20b
Fairy bells, —.....15a	rose-ring, ++.....34a	Goosefoot, ++.....17b
Felicia.....34a	Galanthus.....15b	oak-leaved, +++.....17b
Fennel, ++.....27b	Galium.....32a	stinking, ++.....17b
Fen-rose, ++.....25b	Galpinsia.....27a	Goose grass, ++.....32a
Ferocactus.....26b	Gardenia, +++.....21b	Gordonia.....26a
Festue, meadow, —.....14a	Gardenia.....32a	Gossypium.....25b
Festuca.....14a	Garden-mint, common, —.....30b	Gourd, Malabar, —.....32b
Ficus.....17a	Garland-flower, —.....16a	white-flowered, —.....32b
Fiddle-leaves, +.....30a	Garlic, —.....15a	Gram, black, ++.....22b
Piesta-flower, +.....30a	false, —.....15b	GRAMINEAE.....13b
Fig, +++.....17a	wild, —.....15a	Grape, canyon, ++.....25a
sycamore, +.....17a	Gaultheria.....28a	Champanel, +.....25a
Filaginopsis.....34a	Gaura, ++.....27a	Champion, +.....25a
Filago.....34a	scarlet, ++.....27a	frost, ++.....25a
Filaree, —.....23a	white, ++.....27a	mountain, ++.....25a
Filbert, +++.....16b	Gayfeather, cattail, ++.....34b	muscadine, ++.....25a
Fir, balsam, ++.....13a	pinkscale, ++.....34b	mustang, +.....25a
Cascade, ++.....13a	spike, ++.....34b	possum, ++.....25a
Douglas, ++.....13b	Gaylussacia.....28a	post-oak, ++.....25a
giant, ++.....13a	Gayoides.....25a	riverbank, ++.....25a
Greek, ++.....13a	Gelsemium.....29a	sand, ++.....25a
silver, ++.....13a	Genista.....22a	Spanish, +.....25a
white, ++.....13a	Gentian, prairie, +.....29a	summer, ++.....25a
Fire-bush, Mexican, ++.....17b	slender prairie, +.....29a	sweet winter, ++.....25a
Fire-plant, —.....24a	GENTIANACEAE.....29a	wine, +++.....25a
Mexican, +++.....24a	GERANIACEAE.....23a	winter, +.....25a
Firethorn, ++.....21a	Geranium.....23a	Grapefruit, ++.....23a
Fireweed, ++.....27a	ivy, —.....23a	Grape-hyacinth, —.....15a
Firewheel, ++.....34a	Lady Washington, —.....23a	Grass, couch, —.....13b
Firmiana.....26a	rose, —.....23a	Rhodes, —.....13b
Five-spot, +.....30a	wild, —.....23a	Gratiola.....31b
Flag, crimson, —.....16a	Gerardia.....31b	Greenbrier, —.....15b
Flame flower.....18b	Gerberia.....34a	bristly, —.....15b
Flax, ++.....23a	Germander, —.....31a	Green-ebony, ++.....31b
false, —.....20a	Geum.....21a	Green-eyes, ++.....33b
golden, ++.....23a	Gherkin, West Indian, —.....32b	Greivillea.....17a
prairie, ++.....23a	Gilia.....29b	Grindelia.....34a
wild, ++.....23a	Gilia.....29b	Gromwell, +.....30a
wild yellow, ++.....23a	Ginger, —.....16a	corn, +.....30a
yellow.....23a	Gingerlily, —.....16a	false.....30a
Fleabane, horse-.....34a	Ginkgo.....13a	Ground-cherry, ++.....31a
weed, ++.....34a	GINKGOACEAE.....13a	beach, ++.....31a
Flowering-moss, ++.....18b	Gladiolus, —.....16a	common, ++.....31a
Flowering straw, ++.....35a	Glasswort, —.....17b	Groundnut, ++.....21b
Flower-of-an-hour, +++.....25b	Gleditsia.....22a	Groundsel, ++.....35a
Fly-poison, —.....15a	Globe-flower, +.....19a	balsam, ++.....35a
Foeniculum.....27b	Globe-thistle, ++.....34a	common, ++.....35a
Fog-fruit, +.....30a	Glycine.....22a	ivy, ++.....35a
Forestiera.....28b	Gnaphalium.....34a	round-leaf, +++.....35a
Forget-me-not, +.....30a	Goats-beard, +++.....35b	Groundselbush, ++.....33b
Forsythia.....28b	Golden-aster, —.....33b	Guar, +.....21b
greenstem, +++.....28b	Berlandier, ++.....33b	Guava, +++.....27a
weeping, ++.....28b	Maryland, +.....33b	Guayule, ++.....35a
Fortunella.....23b	Goldenbells, +++.....28b	Guernsey-lily, —.....15b
Fouquieria.....26a	California, ++.....29b	Gum, black, ++.....28a
FOUQUIERIACEAE.....26a	Goldenglow, ++.....35a	cotton, +.....28a
Four-o'clock.....18a	Golden-rain-tree, —.....24b	tupelo, +.....28a
wild.....18a	Goldenrod, ++.....35b	Gum elastic, ++.....28a
Foxglove, +.....31b	Canada, +++.....35b	Gum plant, ++.....34a
false purple, ++.....31b	clasping, ++.....35b	narrow-leaf, +++.....34a
false yellow, ++.....31b	downy, ++.....35b	Gymnocladus.....22a
scarlet-beard, ++.....31b	elm-leaf, ++.....35b	GYMNOSPERMAE.....13a
Foxtail, green, —.....14a	Gattinger, ++.....35b	Gypsophila.....18b
Fragaria.....21a	November, ++.....35b	
Franseria.....34a	rayless, ++.....34b	
Fraxinus.....28b	slender showy, ++.....35b	Hackberry, +.....17a
Freesia.....16a	stiff, ++.....35b	Chinese, +.....17a
Fringetree, ++.....28b	sweet, +++.....35b	southern, +.....17a
Fritillaria.....15a	tall, +.....35b	Halesia.....28b
Fritillary, —.....15a	twisted-leaf, ++.....35b	HAMAMELIDACEAE.....20b
Froelichia.....18a	western rough, ++.....35b	Hamamelis.....20b
Frost-weed, hoary, +.....26b	wreath, ++.....35b	Hamatoctactus.....26b
Frostweed, +.....35b	Goldenseal, ++.....19a	Hamelia.....32a
FUMARIACEAE.....19b	Golden-star, ++.....33b	Hammerwort, +.....17a
Fumeroot, slender, +.....19b	Golden-stars, —.....15a	Hamosa.....21b
	Goldentuft, —.....19b	Harpephyllum.....24a
Gaillardia.....34a	Golden-wave, +.....34a	Hartmannia.....27b
common.....34a	Gomphrena.....18a	
perennial, +++.....34a		

Page	Page	Page
Hawkweed, hairy, + + + . 34b	Hornbeam, + + . 16b	Jacaranda 31b
long-bearded, + + + . 34b	Horse-balm, — . 30b	Jack-in-the-pulpit, — . 14b
mouse-eared, + + + . 34b	Horsebean, — . 22a	Jacksonbrier, — . 15b
orange, + . 34b	Horsebrier, — . 15b	<i>Jacobinia</i> 32a
Hawthorn, downy, + + + . 21a	Horsechestnut, + + + . 24b	Jacobs-rod, — . 15a
short-spined, + + + . 20b	Horsemint 30b	Jamesia 20b
small-fruited, + + + . 21a	spotted, — . 30b	Jasminum 28b
southern, + + + . 21a	Horse-nettle, + + . 31a	Jasmine, Chinese
thicket, + + + . 20b	Torrey, + + + . 31a	yellow, + + . 28b
Hazelnut, + + + . 16b	white, + + . 31a	common white, + + + . 28b
American, + + + . 16b	Horseradish, + + + + . 20a	Italian yellow, + + + . 28b
Heal-all, — . 30b	Horse-weed, purple, + + . 34a	primrose, + + . 28b
Hedoma 30b	Hound's tongue, + . 30a	<i>Jatropha</i> 24a
Hedera 27b	Houstonia 32a	Jerusalem-cherry, + + . 31a
Hedge-hyssop, + + . 31b	sand, + + . 32a	Jessamine, Chilian, + + . 31a
Hedychium 16a	Huajilla, + . 21a	day, + + . 31a
Helenium 34a	Huckleberry, black, + . 22a	yellow, + + + . 29a
Helianthemum 26b	Huisache, — . 21a	Jimson weed, + + . 31a
Helianthus 34b	Hyacinth, common, — . 15a	purple, + + . 31a
Helichrysum 34b	wild, — . 15a	Joe-pye weed, + + + . 34a
Heliotrope, + . 30a	Hyacinthus 15a	Johnson grass, — . 14a
wild, + + . 30a	Hydrangea, + + + . 20a	Jonquil, — . 15b
Heliotropium 30a	Hydrastis 19a	Josephs-coat, + . 18a
Helonias 15a	Hydrocotyle 27b	Joshua-tree 15b
Hemerocallis 15a	HYDROPHYLACEAE . 29b	Judas-tree, + + + . 21b
Hemlock, Carolina, + + + . 13b	Hydrosme 14b	JUGLANDACEAE . 16b
ground, + + . 13a	Hymenocallis 15b	Juglans 16b
Japanese, + + + . 13b	Hymenopappus 34b	Jujube, + + + + . 25a
poison, + + . 27b	HYPERICACEAE . 26a	Jump seed, + + . 17b
Hemp, + + + . 17a	Hypericum 26a	JUNCACEAE . 14b
bog, + . 17a	Hyssop, — . 30b	Juncus 14b
button, + + . 17a	Hyssopus 30b	Juniper, alligator, + . 13a
Indian, + . 29a		Chinese, + + . 13a
sisal, — . 15b	Iberis 20a	common, + + . 13a
Hemp-weed, 35a	Ibervillea 32b	creeping, + + . 13a
climbing, + + + . 35a	Ilex 24b	golden, + + . 13a
Henbit, — . 30b	Impatiens 25a	Pfitzer, + . 13a
Heracleum 27b	Incense-cedar, + + . 13a	prostrate, + + . 13a
Hermannia 26a	Indian blanket, — . 31b	Rocky Mountain, + . 13a
Hesperaloe 15a	Indian-cherry, + + . 25a	trailing 13a
<i>Heteromeles</i> 21a	Indigo 22a	Juniperus 13a
Heterospermum 34b	blue wild, + + . 21b	Jussiaea 27a
Heterotheca 34b	false 21a, 21b	
Heuchera 20a	prairie, + + . 21b	Kafir, — . 14a
Hibiscus 25b	prairie wild, + + . 21b	Kafir-plum, + + . 24a
Chinese, + + + . 25b	white wild, + + . 21b	Kale, + . 19b
Turk's-cap, + . 25b	Indigo bush, false, + . 21b	Kallstroemia 23a
Hickory, big shellbark, + . 16b	Indigo-bush, + . 21b	Kalmia 28a
bitternut, + . 16b	Indigofera 22a	Kerria 21a
black, + . 16b	Inkberry 18b, 24b	silver, + + . 21a
shagbark, + . 16b	Insect flowers, 33b	Knawel, + . 18b
shellbark, + . 16b	Dalmatian, + + . 33b	Kniphofia 15a
white, + . 16b	Persian, + + . 33b	"Knock-away", + . 30a
<i>Hicoria</i> 16b	<i>Ionactis</i> 33a	Knotgrass, — . 14a
Hieracium 34b	<i>Ionoxalis</i> 23a	Knotweed, + + . 17b
Hilaria 14a	<i>Ipomoea</i> 29b	Kochia 17b
HIPPOCASTANACEAE . 24b	Ipomoea 29b	<i>Koellia</i> 30b
Hoarhound, — . 30b	star, + + . 29b	Koelreuteria 24b
Hoffmanseggia 22a	IRIDACEAE . 16a	Kohlrahi, + + . 19b
Hog-potato, + + . 22a	Iris 16a	Kolkwitzia 32a
Hogwort, + + + . 23b	blueflag, — . 16a	Kosteletzkya 25b
<i>Holcus</i> 14a	Japanese, — . 16a	Krameria 22a
Holly, American, + . 24b	Rocky Mountain, — . 16a	Krigia 34b
Carolina, + . 24b	Spanish, — . 16a	Kuhnia 34b
English, + . 24b	wild, — . 16a	Kumquat, oval, + . 23b
Japanese, + . 24b	Ironweed, Baldwin, + + . 35b	round, + . 23b
myrtle-leaf, — . 24b	Missouri, + . 35b	Kudzu vine, + + . 22b
Hollyhock, + + + + . 25b	tall, + + . 35b	
ingleaf, + + + + . 25b	western, + + . 35b	LABIATAE 30b
Honeysuckle, 32b	Ironwood, + + . 28b	Laceflower, + + + . 27b
Japanese, + + . 32b	Isocoma 34b	<i>Lacinaria</i> 34b
purple Japanese, + + . 32b	Isopyrum 19a	Lactuca 34b
scarlet 32b	Itea 20a	Lady's-thumb, + + . 17b
trumpet, + + + . 32b	Iva 34b	Lagenaria 32b
Tatarian, + . 32a	Ivy, Boston, + + . 25a	Lagerstroemia 27a
white, + + . 32a	English, + + . 27b	Lamb's-quarters, + + . 17b
white belle, + . 32b	German, + + . 35a	Lamium 30b
winter, + + . 32b	marine, + + . 25a	Lantana 30a
Hop-hornbeam, + + . 16b	poison, + + . 24a	common, + + . 30a
Hoptree, + + . 23b		dwarf, + + . 30a
Hordeum 14a		weeping, + + . 30a

Page	Page	Page
Lantern-plant, Chinese, ++.....31a	Liquidambar.....20b	Malvastrum.....25b
Lapageria.....15a	Liquorice, wild, +++.....32a	Malvaviscus.....25b
Lappa.....33a	Liriodendron.....19b	Mammillaria.....26b, 27a
Lappula.....30a	Lithospermum.....30a	Mangel-wurzel, +++.....17b
Larch, American, +++.....13a	Living rock, ++.....26b	Mangifera.....24a
European, ++.....13a	Lizards-tail, —.....16a	Mango, ++.....24a
Japanese, +++.....13a	LOASACEAE.....26b	Manihot, ++.....24a
Larix.....13a	Lobelia.....33a	Manzanita, ++.....28a
Larkspur, common, +.....19a	Cliffort, ++.....33a	Maple, Amur, ++.....24b
field, +.....19a	downy, ++.....33a	black, ++.....24b
prairie, +.....19a	great, +.....33a	dwarf red, ++.....24b
white, +.....19a	spiked, +.....33a	Florida, ++.....24b
Larrea.....23a	LOBELIACEAE.....33a	Japanese, +++.....24b
Lathyrus.....22a	Loblolly-bay, +.....26a	mountain, ++.....24b
LAURACEAE.....19b	Lobularia.....20a	Norway, +++.....24b
Laurel, mountain, ++.....22b	Loco weed.....21b, 22a	red, +++.....24b
Laurocerasus.....21a	Locust, black, +++.....22b	silver, +++.....24b
Lavandula.....30b	clammy, +++.....22b	sugar, +++.....24b
Lavatera.....25b	honey, +++.....22a	sycamore, ++.....24b
Lavender, +.....30b	swamp, +++.....22a	Maranta.....16a
Lavender cotton, +.....35a	Loeselia.....29b	MARANTACEAE.....16a
Leek, —.....15a	LOGANIACEAE.....29a	Marguerite, ++.....33b
wild, —.....15a	Lolium.....14a	Marguerites, ++.....33a
LEGUMINOSAE.....21a	Loniceria.....32a	Marigold, African, —.....35b
Lemon, ++.....23a	Loosestrife, ++.....27a	dwarf, —.....35b
Lemon-balm, —.....30b	false, +.....27a	French, —.....35b
Lens.....22a	fringed, +.....28a	Marilaunidium.....30a
Lentil, +++.....22a	Lophophora.....26b	Marrubium.....30b
Lentil-tare, ++.....22b	Loquat, +++.....21a	Marshallia.....35a
Leontodon.....35b	Lotibush, +.....25a	Marsh-mallow, +++.....25b
Leonurus.....30b	Lotoxalis.....23a	Marsh-marigold, +.....19a
Lepachys.....34b	Love-in-a-mist, +.....19a	Martynia.....32a
Lepadenia.....24a	Love-lies-bleeding, +.....18a	MARTYNIACEAE.....32a
Lepargyrea.....27a	Ludvigia.....27a	Mathiola.....20a
Lepidium.....20a	Luffa.....32b	Maurandia.....31b
Leptilon.....34a	Lupine, sundial, +.....27a	May apple, ++.....19a
Leptocaulis.....27b	Lupinus.....22a	May haw, ++.....20b
Lespedeza.....22a	Lychnis.....18b	Maypops, ++.....26b
Lesquerella.....20a	Lyrium.....31a	Meadow-rue, ++.....19a
Lettuce, ++.....34b	Lycopersicum.....31a	Meadowsweet, ++.....21a
hairy, ++.....34b	Lygodesmia.....35a	Medicago.....22a
prickly, ++.....34b	Lysichitum.....14b	Medick, black, ++.....22a
rabbit, +.....27b	Lysimachia.....28a	Megapterium.....27b
western prickly, ++.....34b	LYTHRACEAE.....27a	Meibomia.....21b
wild, ++.....34b	Lythrum.....27a	Melampodium.....35a
Leucaena.....22a	Maackia.....22a	branched, ++.....35a
Leucocrocinum.....15a	Amur, ++.....22a	pole, ++.....35a
Leucophyllum.....31b	Chinese, ++.....22a	white, ++.....35a
Liatris.....34b	Machaeranthera.....33a	Melanthium.....15a
Libocedrus.....13a	Maclura.....17a	Melia.....23b
Ligustrum.....27b	Madeira-vine, ++.....17b	MELIACEAE.....23b
Ligusticum.....28b	Madrona, ++.....28a	Melilotus.....22a
Lilac, Chinese, +++.....29a	Magnolia, ++.....19b	Melissa.....30b
common, +++.....29a	MAGNOLIACEAE.....19b	Meloncilla, +++.....26a
Japanese tree, +++.....29a	Maguey, —.....15b	Melothria, ++.....32b
late, +++.....29a	Mahogany, +.....20b	MENISPERMACEAE.....19b
Persian, +++.....29a	mountain, —.....19a	Menispermum.....19b
LILIACEAE.....14b	Mahonia.....19a	Menodora.....29a
Lilium.....15a	desert, +.....19a	Mentha.....30b
Lily, candlestick, —.....15a	Texas, +.....19a	Mentzella.....26b
Chinese white, —.....15a	Maidenhair tree, +++.....13a	Mercury, ivyleaf, ++.....23b
leopard, —.....15a	Malachra.....25b	three-seeded, ++.....23b
madonna, —.....15a	Mallow, clustered.....25b	wild, ++.....23b
meadow, —.....15a	poppy, ++.....25b	Mertensia.....30a
Sierra, —.....15a	common, +++.....25b	Mesadenia.....33b
thimble, —.....15a	false.....25b	Mescal-bean, ++.....22b
tiger, —.....15a	globe.....26a	Mesquite, +.....22b
white trumpet, —.....15a	high, +++.....25b	Mesquite grass, curly, —.....14a
Zygadenus, —.....15b	Indian.....5a, 25b, 26a	Mexican-orange, +.....23a
Lily-of-the-valley, —.....15a	+++.....5a, 25b, 26a	Mexican star, —.....15a
Lime, +++.....23a	low poppy, +++.....25b	Mexican tea, +++.....23b
Limoncillo, ++.....35a	Mexican, +++.....26a	Mexican-tea, ++.....17b
Linonijum.....28a	pompadour, ++.....26a	Mezcal button, ++.....26b
LINACEAE.....23a	poppy, +++.....25b	Mignonette, common, —.....20a
Linaria.....31b	prairie, ++.....25b	white, —.....20a
Linden, American, +++.....25a	small-flowered, +++.....25b	Mikania.....35a
common, +++.....25a	Malpighia.....23b	Milfoil, ++.....33a
Lindheimeria.....34b	MALPIGHIACEAE.....23b	Milk-vetch.....21b
Linum.....23a	Malva.....25b	
Lippia.....30a	MALVACEAE.....25a	

	Page		Page		Page
Milkweed.....	29a	MYRICACEAE.....	16b	Oats, —.....	13b
common, ++.....	29a	Myrrh, ++.....	27b	wild, —.....	13b
hairy, ++.....	29b	Myrrhis.....	27b	Ocimum.....	30b
horsetail, +++.....	29a	MYRTACEAE.....	27a	Ocotillo, +.....	26a
red, ++.....	29a	Myrtle, ++.....	27a	Oenothera.....	27a
smooth, +++.....	29b	Myrtus.....	27a	Okra, +++.....	25b
star, ++.....	29b			Olea.....	29a
Milkwort, +.....	23b	Nailwort, —.....	18b	OLEACEAE.....	28b
Milla.....	15a	Nama.....	30a	Oleander, ++.....	29a
Millet, broomcorn, —.....	14a	Nandina, +++.....	19a	sweet-scented, ++.....	29a
foxtail, —.....	14a	Narcissus.....	15b	Olive, +++.....	29a
Hungarian, —.....	14a	jonquil, —.....	15b	false, ++.....	24b
Mimosa, —.....	22a	Nasturtium, —.....	23a	Russian, +.....	27a
Mimulus.....	31b	Navarretia.....	29b	ONAGRACEAE.....	27a
Mint, apple, —.....	30b	Neckweed, +.....	31b	Onion, —.....	15a
bergamot, —.....	30b	Nectarine, +++.....	20b	wild, —.....	14b
dragonhead, —.....	30b	Nemastylis.....	16a	Onosmodium.....	30a
field, —.....	30b	Nemophila.....	30a	Opuntia.....	27a
slender mountain, +.....	30b	Neobesseyia.....	27a	Orach, ++.....	17b
Virginia mountain, +.....	30b	Neolloydia.....	27a	beach, ++.....	17b
Mirabilis.....	18a	Neomammillaria.....	27a	halberd-leaved, ++.....	17b
Mist-flower, ++.....	34a	Nepeta.....	30b	spreading, ++.....	17b
Mitchella.....	32a	Nerine.....	15b	Orange, +++.....	23a
Mitella.....	20b	Nerium.....	29a	hardy, +.....	23b
Mitrewort, +.....	29a	Nettle, +++.....	24a	Satsuma, ++.....	23a
Mock-cucumber, —.....	32b	bull, ++.....	24a	sour, +.....	23a
Mockernut, +.....	16b	dead, —.....	30b	Ornithogalum.....	15b
Mockorange, +.....	20b	hedge, +.....	31a	Oryza.....	14a
big scentless, —.....	20b	scarlet hedge, —.....	31a	Osage-orange, +.....	17a
hoary, +.....	20b	slender, +++.....	17a	Osier, common, +++.....	16a
sweet, —.....	20b	spurge, ++.....	24a	purple, +++.....	16a
wild, —.....	20b	stinging.....	17a, 24a	Osmanthus.....	29a
Modiola.....	26a	New-Jersey-tea, +.....	25a	silver, ++.....	29a
Mollugo.....	18b	Nicandra.....	31a	Ostrya.....	16b
Momordica.....	32b	Nicotiana.....	31a	Oswego tea, —.....	30b
Monarda.....	30b	Nierembergia.....	31a	OXALIDACEAE.....	23a
Moneywort, +.....	28a	Nigella.....	19a	Oxalis, —.....	23a
Monkey-flower, —.....	31b	Niggerhead, +++.....	34b	Oxybaphus.....	18a
golden, —.....	31b	Nigger-weed, +++.....	26a	Oxycoctus.....	28a
Monkshood, Chinese, +.....	19a	Nightshade, ++.....	31a	Oxydendrum.....	28a
Monkshood-vine, ++.....	25a	black, ++.....	31a	Oxytropis.....	22a
MONOCOTYLEDONEAE.....	13b	vine, ++.....	31a		
<i>Monoxalis</i>	23a	Ninebark, goldleaf, ++.....	21a	Pachystachys.....	32a
Moonflower, common, ++.....	29b	Nolina.....	15a	Paeonia.....	19a
Mooneed, ++.....	19b	Nondo, ++.....	27b	Pagoda-tree, Japanese, ++.....	22a
MORACEAE.....	17a	Norfolk-island-pine, ++.....	13a	Paint-brush, Indian, —.....	31b
Morning-glory.....	29b	Nothoscordum.....	15b	Painted-cup, scarlet, —.....	31b
bush, ++.....	29b	Nut grass, —.....	14a	Texas, —.....	31b
common, ++.....	29b	Nutmeg, California, ++.....	13a	Painted lady, ++.....	33b
ivy-leaf, +++.....	29b	Nyctaginia.....	18a	Painted leaf, +++.....	24a
woolly, +++.....	29b	NYCTAGINACEAE.....	18a	Painted-tongue, ++.....	31a
Morning-honey-suckle, ++.....	27a	Nyssa.....	28a	<i>Palafoxia</i>	35a
<i>Morongia</i>	22b	Oak, basket, ++.....	17a	<i>Palafoxia</i> , Texas, ++.....	35a
Morus.....	17a	black, ++.....	17a	Palisota.....	14b
Motherwort, —.....	30b	blackjack, ++.....	16b	Palm, California	
Mountain-ash,		bluejack, ++.....	16b	Washington, —.....	14a
American, ++.....	21a	burr, ++.....	16b	Mexican	
Mountain-bluet, ++.....	33b	chestnut, ++.....	17a	Washington, —.....	14b
Mountain-laurel, +++.....	28a	chinquapin, ++.....	16b	PALMACEAE.....	14a
<i>Mucuna</i>	22b	Daimyo, ++.....	16b	Palmetto, —.....	14a
Muehlenbeckia.....	17a	Durand white, ++.....	16b	Texas, —.....	14a
Mulberry, black, +++.....	17a	dwarf		Victoria, —.....	14a
French, —.....	30a	chinquapin, ++.....	16b	Palmgrass, —.....	14a
red, ++.....	17a	Emory, ++.....	16b	Palmilla, —.....	15b
Russian, +++.....	17a	live, +.....	17a	Palo verde, —.....	22a
weeping, +.....	17a	Mongolian, ++.....	16b	Pampas-grass, —.....	14a
white, +++.....	17a	overcup, ++.....	16b	Panicum.....	14a
Mullein, common, ++.....	31b	pin, +.....	16b	Pansy, —.....	26b
moth, +.....	31b	post, ++.....	17a	Papaver.....	19b
<i>Muricauda</i>	14b	red, +.....	17a	PAPAVERACEAE.....	19b
Muscari.....	15a	scarlet, +++.....	16b	Papaw, ++.....	19b
Musenopsis.....	27b	scrub, ++.....	16b	Papaya, ++.....	26b
Muskmelon, +.....	32b	shin, ++.....	16b	Paper-mulberry, +++.....	17a
Mustard, +.....	19b	Spanish, ++.....	17a	Parietaria.....	17a
potherb, +.....	19b	spotted, ++.....	17a	Parkinsonia.....	22a
tansy, +.....	20a	Texas red, ++.....	17a	Paronychia.....	18b
wild, +.....	19b	water, ++.....	16b	<i>Parosela</i>	21b
Mustard-greens, +.....	19b	white, ++.....	16b		
Myosotis.....	30a	willow, ++.....	16b		
Myrica.....	16b	Oakesia.....	15b		

Page	Page	Page
Parsley, ++.....27b	Philadelphus.....20b	Plantain—(Cont'd)
fool's, ++.....27b	Phlox, —.....29b	western, +.....32a
sand, ++.....27b	blue, —.....29b	woolly, +.....32a
turnip-rooted, +++.....27b	Drummond, —.....29b	PLATANACEAE.....20b
wild, +++.....27b	dwarf, +.....29b	Platanus.....20b
Parsnip, +++.....27b	meadow, +.....29b	Platycodon.....32b
Caucasian cow, ++.....27b	perennial, —.....29b	Plum, Chickasaw, ++.....21a
cow, +++.....27b	Phoenix.....14a	common, ++.....21a
wild, ++.....27b	Phoenix-tree, +++.....26a	common wild, ++.....21a
Parthenium.....35a	Photinia, +++.....21a	ground, ++.....21b
Parthenocissus.....25a	hairy, +++.....21a	hog, +.....21a
Partridge-berry, +.....32a	Phyla.....30a	Mexican, +.....21a
Paspalum.....14a	Phyllanthus, ++.....24a	wild goose, +.....21a
Passiflora.....26b	Phyllostachys.....14a	PLUMBAGINACEAE.....28a
PASSIFLORACEAE.....26b	Phymosia.....26a	Podocarpus.....13a
Passion flower, ++.....26b	Physalis.....31a	Podophyllum.....19a
yellow, ++.....26b	Physalis.....31a	Poinsettia.....24a
Pastinaca.....27b	Physocarpus.....21a	Poinsettia, +++.....24a
Paulownia.....31b	Physostegia.....30b	Pokeberry, +.....18b
Pavonia.....26a	Phytolacca.....18b	Poker-plant, —.....15a
Pea, English, +.....22b	PHYTOLACACEAE.....18b	Pokeweed, +.....18b
flat, ++.....22b	Picea.....13a	POLEMONIACEAE.....29b
partridge, ++.....21b	Pickelweed, —.....14b	Polianthes.....15b
pastel, ++.....21b	Pigeon grass, —.....14a	Polygala.....23b
perennial, +++.....22a	Pigweed.....17b, 18a	POLYGALACEAE.....23b
pigeon, ++.....21b	rough, +.....18a	POLYGONACEAE.....17a
wild, +.....21b	spreading, ++.....18a	Polygonatum.....15b
wild yellow, ++.....22b	winged, +.....17b	Polygonum.....17a
Peach, ++.....20b	Pimpinella.....27b	Polypteris.....35a
Peanut, ++.....21b	PINACEAE.....13a	Pomegranate, +.....27a
Pear, +++.....21a	Pine, Austrian, ++.....13b	Pontederia.....14b
Pearlbush, +.....21a	black, ++.....13b	PONTEDERIACEAE.....14b
Pearlwort, +.....18b	Chinese, ++.....13b	Poplar, balsam, +++.....16a
Peas, turkey, ++.....21b	dwarf mountain, ++.....13b	black, +++.....16a
Pea-tree, Siberian, +.....21b	Italian stone, ++.....13b	Carolina, ++.....16a
Pea-vine, ++.....22b	jack, ++.....13a	Lombardy, +++.....16a
Pecan, +.....16b	Japanese red, +.....13b	Poppy, California, ++.....19b
bitter, +.....16b	Jeffrey, ++.....13b	Iceland, ++.....19b
Pectis.....35a	limber, ++.....13b	Mexican, +.....19b
PEDALIACEAE.....31b	loblolly, +++.....13b	oriental, +.....19b
Pelargonium.....23a	longleaf, +++.....13b	peacock, +.....19b
Pellitory, +.....17a	Mexican white, +++.....13b	prickly.....19b
Peltandra.....14b	mountain, ++.....13b	Populus.....16a
Pencil flower, +.....22b	pinon, +++.....13a	Popweed, —.....20a
Penicereus.....27a	pond, +++.....13b	Portulaca, +.....18b
Pennyroyal.....30b	red, ++.....13b	rock, ++.....18b
Drummond, —.....30b	sand, ++.....13b	PORTULACACEAE.....18b
hairy, —.....30b	Scotch, ++.....13b	Possumhaw, —.....24b
Pennywort, marsh.....27b	scrub, ++.....13b	Potato, Indian, +++.....24b
Pentstemon, ++.....31b	shortleaf, ++.....13b	Irish, ++.....31a
foxglove, +.....31b	slash, ++.....13a	water, —.....13b
white, ++.....31b	spruce, ++.....13b	Potentilla.....21a
Pentstemon.....31b	western yellow, +++.....13b	Pot-marigold, +.....33b
Peony.....19a	white, ++.....13b	Poverty weed, ++.....34a
tree, +++.....19a	Pink, Chinese, +.....18b	Prairie-clover, ++.....22a
Pepper, bird, ++.....31a	mountain, +.....29a	white, ++.....22a
sweet, +++.....31a	Pink-root, ++.....29a	Prairie-lily, —.....15b
water, +.....17a	Pinus.....13a	Prairie tea, +++.....23b
Peppergrass, —.....20a	Pistache, +++.....24a	Prickly ash, +.....23b
field, —.....20a	Mexican, +++.....24a	northern, ++.....23b
hoary, —.....20a	Pistacia.....24a	Prickly pear, ++.....27a
wild, —.....20a	Pisum.....22b	Prickly-sida, +++.....26a
Pepper-tree.....24a	Pita, —.....15b	Primrose, +.....28a
Brazilian, ++.....24a	Pitaya, ++.....26b	Chinese, +.....28a
California, ++.....24a	Pitcher-plant.....20a	showy, ++.....28a
Periwinkle, common, —.....29a	California, —.....20a	water, +.....27a
white, —.....29a	common, —.....20a	willow, +.....27a
Persea.....19b	Pithecolobium.....22b	Primula.....28a
Persicaria.....17a	PITTOSPORACEAE.....20b	PRIMULACEAE.....28a
Persimmon, common, ++.....28b	Pittosporum.....20b	Princesfeather, +.....18a
Japanese, +++.....28b	cape, ++.....20b	Princess tree, +.....31b
Mexican, +.....28b	Japanese, ++.....20b	Prionopsis.....33a
Petalostemum.....22a	PLANTAGINACEAE.....32a	Privet, Amur, +++.....28b
Petroselinum.....27b	Plantago.....32a	babydoll, +.....28b
Pe-Tsai, —.....20a	Plantain, dwarf, ++.....32a	bigberry, +.....28b
Petunia, —.....31a	English rib.....32a	blackleaf, +++.....28b
Peyote, ++.....26b	grass, ++.....32a	California, ++.....28b
Phacelia.....30a	large-bracted, +.....32a	Chinese, +++.....28b
Phanerotaenia.....27b	many-seeded, +.....32a	common, ++.....28b
Pharbitis.....29b	rough, +.....32a	European, +++.....28b
Phaseolus.....22b	sand, +.....32a	glossy, ++.....28b

Page	Page	Page			
Privet—(Cont'd)					
Ibota, ++	28b	Redbay, ++	19b	Salix	16a
Japanese, ++	28b	Red-bud, ++	29a	Salpiglossis	31a
large-leaf, ++	28b	Redbud, +++	21b	Salsify, +++	35b
Lodense, +++	28b	California, +++	21b	meadow, +++	35b
Nepal, ++	28b	Chinese, +++	21b	Salsola	17b
Pygmy, ++	28b	Texas, +++	21b	Salt bush, ++	17b
pyramidal, ++	28b	Redwood, blue, ++	13b	Salt cedar	26a
Quihou, ++	28b	weeping giant, ++	13b	Salvia	30b
swamp, ++	28b	Reseda	20a	autumn, +	30b
tricolor, ++	28b	RESEDAEAE	20a	blue, —	30b
upright, ++	28b	Retama, —	22a	garden, +	30b
waxleaf, ++	28b	RHAMNACEAE	25a	lanceleaf, —	30b
yellowleaf, ++	28b	Rhamnus	25a	scarlet, —	30b
Proboscidea	32a	Rheum	17b	Sambucus	32b
Prosopis	22b	Rhododendron	28a	Samolus	28a
PROTEACEAE	17a	Manchurian, ++	28a	Sand-bean, ++	22b
Prunella	30b	Rhoec	14b	Sandbells, +	30a
Prunus	20b	Rhubarb, +++	17b	Sand-bur	22a
Prunus	21a	Rhus	24a	Sandbur, —	13b
Psedera	25a	Rhynchosia	22b	Sand-dune weed, +	18b
Pseudotsuga	13b	Ribes	20b	Sand verberna, +	18a
Psidium	27a	Rice, —	14a	pink, ++	18a
Psoralea	22b	Ricinus	24a	yellow, +	18a
brown-flowered, ++	22b	Rivina	18b	Sandwort, +	18b
Ptelea	23b	Robinia	22b	thyme-leaved, +	18b
Ptilimnium	27b	Rock-brush, ++	22a	Sandywink, +	18b
Puccoon, +	30a	Rosa	21a	Sanguinaria	19b
Pueraria	22b	ROSACEAE	20b	Santolina	35a
Puffballs, ++	35a	Rose, Chinese, +++	25b	SAPINDACEAE	24b
Pumpkin, —	32b	cultivated, +++	21a	Sapindus	24b
Puncture plant, ++	23a	Macartney, ++	21a	Sapium	24a
Punica	27a	meadow, ++	21a	Sapodilla vine, +++	28a
PUNICACEAE	27a	pasture, +++	21a	Saponaria	18b
Purslane, ++	18b	Roselle, ++	25b	Sapota	28a
milk, ++	24a	Rose-mallow, +++	25b	SAPOTACEAE	28a
Pussy-foot, ++	22a	swamp, +++	25b	Sarracenia	20a
Pycnanthemum	30b	Rosemary, —	30b	SARRACENIACEAE	20a
Pyraanthra	21a	Rose-moss, ++	18b	Sarsaparilla, wild, ++	27b
Pyrethrum, ++	33b	Rosetilla, +	34a	Sarsaparilla vine, +	19b
Pyrrhopappus	35b	Rosin-weed, ++	34a, 35a	Sassafras, +++	19b
Pyrus	20b, 21a	slender, +++	35a	Satureja	30b
Pyrus	21a	Rosmarinus	30b	SAURURACEAE	16a
Quackgrass, —	13b	Rubber-plant, +++	17a	Saururus	16a
Quail-bush, +++	17b	RUBIACEAE	32a	Savory, summer, —	30b
Quasmasia	15a	Rubus	21a	Saw-brier, —	15b
Quamoclit	29b	Rudbeckia	35a	Saw-palmetto, —	14a
Queen's delight, ++	24a	Rue-anemone, +	19a	Saxifraga	20b
Queen's root, ++	24a	false, ++	19a	SAXIFRAGACEAE	20a
Quercus	16b	Ruellia	32a	Saxifrage, ++	20a
Quince, ++	21a	Rumex	17b	golden, +	20a
Chinese		Rush, common, —	14b	Scabiosa	32b
flowering, ++	20b	slender, —	14b	Caucasian, ++	32b
Japanese		Rushfoils, ++	23b	sweet, ++	32b
flowering, +++	20b	Rutabaga, ++	19b	Scarlet-bush, +	32a
Quincula	31a	RUTACEAE	23a	Schinus	24a
Radicula	20a	Rutland beauty, +++	29b	Schismatoglossis	14b
Radish, ++	20a	Rye, —	14a	Schizanthus	31a
Ragweed, ++	33a, 35a	Ryegrass, perennial, —	14a	Schizostylis	16a
giant, ++	33a	Sabal	14a	Schrankia	22b
great, +++	33a	Saccharum	14a	Scilla	15b
Ragwort, golden, ++	35a	Sacred-lily, Chinese, —	15b	Scleranthus	18b
prairie, ++	35a	Sage, +	30b	Scrambled eggs, +	19b
tansy, ++	35a	blue, —	30b	SCROPHULARIACEAE	31b
Railroad vine, ++	29b	crimson, —	30b	Scutellaria	30b
Raimannia	27a	great azure, —	30b	Seakale, +	20a
Rain-lily, —	15b	lyre-leaved, —	30b	Scale	14a
Ram's horns, +	32a	mealy cup, —	30b	Sedge, —	14a
RANUNCULACEAE	19a	Mexican, +	35a	Seedbox, +	27a
Ranunculus	19a	Roemer, +	30b	Senecio	35a
Rape, —	19b	shrubby, —	30b	Senna, wild, ++	21b
Raphanus	20a	Texas, —	30b	Sensitive-plant, +	22a
Raspberry, European, ++	21a	wood, —	31a	wild, ++	21b
Ratibida	34b	Sagebrush	33a	Sequoia	13b
Rattle-box, +	21b	Sagina	18b	Serenoa	14a
hoary, +	21b	Sagittaria	13b	Serviceberry, ++	20b
Rattle-bush, +	21b	Sago-lily, —	15a	Sesame, +	31b
Rattle-snake-master, —	15b	SALICACEAE	16a	Sesamum	31b
		Salicornia	17b	Sesbania, +	22b
		Salisbury	13a	Sesuvium	18b
				Setaria	14a
				Shad scale, ++	17b

Page	Page	Page
Shallot, —.....14b	Spanish dagger, —.....15b	Stork's bill, —.....23a
Shallu, —.....14a	Sparkleberry, ++.....28a	Strawberry, —.....21a
Sheep-laurel, ++.....28a	<i>Spalysema</i> , —.....14b	Strawberrybush, ++.....24b
Shellflower, —.....16a	Spearily, —.....15b	Strawflower, —.....34b
Shepherdia.....27a	Spearwort, —.....30b	Strombocarpa.....22b
Shepherd's barometer, +.....28a	Spearwort, lesser, +.....19a	Strophostyles.....22b
Shepherd's purse, —.....20a	many-flowered, +.....19a	<i>Stylisma</i>29b
Shooting-star, common, +.....28a	Specularia.....33a	Stylosanthes.....22b
southern, +.....28a	Speedwell.....31b	STYRACACEAE.....28b
Shrub-althea, +++.....25b	common, +.....31b	Styrax, +.....28b
Sicyos.....32b	corn, +.....31b	Sudan grass, —.....14a
Sida.....26a	Spelt, —.....14a	Sugar-apple, ++.....19b
small-leaved, +++.....26a	Spergula.....18b	Sugarberry, +.....17a
Sideranthus.....35a	Spermolepis.....27b	Sugarcane, —.....14a
Silene.....18b	Sphaeralcea.....26a	Sumac, lemonade, ++.....24a
Silk-oak, +++.....17a	Spicebush, ++.....19b	poison, +++.....24a
Silphium.....35a	Spiderlily, western, —.....15b	shining, ++.....24a
Sisymbrium.....28b	Spiderlings, ++.....18a	smooth, ++.....24a
Silverberry, ++.....27a	Spiderwort, —.....14b	staghorn, ++.....24a
Silver-leaf, ++.....31b	bracted, —.....14b	Summer-cypress, ++.....17b
SIMARUBACEAE.....23b	common, —.....14b	Sundrops, rose, ++.....27b
Sisymbrium.....20a	Spigelia.....29a	Sunflower, ashy, ++.....34b
Sisyrinchium.....16a	Spinacea.....17b	common, ++.....34b
Sitilias.....35b	Spinach, +.....17b	cucumber, ++.....34b
Skullcap.....30b, 31a	New Zealand, +.....18b	cucumber-leaf, +++.....34b
Skunk-cabbage, —.....14b	Spiraea.....21a	few-leaf, ++.....34b
yellow, —.....14b	Spirea, garland, +++.....21a	garden, +++.....34b
Skunk-daisy, ++.....35b	Reeves, ++.....21a	giant, +++.....34b
Skunkweed.....23b, 29b	Vanhoutte, ++.....21a	hoary, ++.....34b
Spiderwort, —.....31b	Spring beauty, ++.....18b	Maximilian, ++.....34b
Smartweed, +.....17a, 17b	wide-leaf, +.....18b	narrow-leaf, ++.....34b
water.....17a, 17b	Spruce, Colorado, ++.....13a	prairie, +.....34b
Smilacina.....15b	Engelmann, +++.....13a	silverleaf, ++.....34b
Smilax.....15b	Japanese, ++.....13a	stiff, ++.....34b
Smoke-tree, ++.....24a	pyramidal, ++.....13a	stiff-haired, +++.....34b
Smoketree, ++.....21b	Norway, ++.....13a	swamp, ++.....34b
Snail flower, —.....30a	red, ++.....13a	thin-leaf, ++.....34b
Snailseed, +.....19b	tigertail, ++.....13a	thread-leaf, ++.....34b
Snake-apple, —.....32b	white, ++.....13a	Sun-rose, +.....26b
Snake herb, +.....32a	Spurge, cypress, +++.....24a	Supplejack, ++.....25a
Snakeroot, black, —.....19a	flowering, +++.....23b	<i>Suida</i>28a
button, +.....27b	hairy, ++.....24a	Swamp-pink, —.....15a
white, ++.....34a	leafy, ++.....24a	Sweetbay, +.....19b
Snapdragon, —.....31b	round-leaf, ++.....24a	Sweet cicely, ++.....27b
Sneezeweed.....34a, 34b	spotted, ++.....24a	Sweetclover, white, +++.....22a
fine-leaf, ++.....34b	toothed, ++.....24a	yellow, ++.....22a
purple-head, ++.....34a	warty.....23b, 24a	Sweetflag, —.....14b
Snowball, common, ++.....32b	Spurry, +.....18b	Sweetgum, ++.....20b
Snowberry, common, —.....32b	Squash, +.....32b	Formosa, +++.....20b
Snowdrop, —.....15b	Squaw-weed.....35a	Sweet pea, +.....22a
Snowdrop-tree, ++.....28b	Squill, —.....15b	Sweet potato, +++.....29b
Snow-on-the-	Squirrel-tail grass, —.....14a	Sweet-potato, wild, ++.....29b
mountain, +++.....24a	Stachys.....31a	Sweet-spire, ++.....20a
Soapberry, +++.....24b	Staggerwort, ++.....35a	Sweet-sultan, ++.....33b
Soapweed, —.....15b	Star-cucumber, —.....32b	Sweet William, +.....18b
Soapwort, +.....18b	Star flower, +.....29a	Swietenia.....23b
<i>Soja</i>22a	Stargrass, —.....19a	Sycamore, +.....20b
SOLANACEAE.....31a	Starlily, —.....15a	Symphoricarpos.....32b
Solanum.....31a	Star-of-Bethlehem, —.....15b	Symplocarpus.....14b
Solanum.....31a	Starthistle, —.....33b	<i>Syntherisma</i>14a
Solidago.....35b	Star-tulip, yellow, —.....15a	Syringa.....29a
Solomonseal, —.....15b	Statice, +.....28a	
false, —.....15b	white, +.....28a	Tagetes.....35b
Sonchus.....35b	Stavesacre, +.....19a	Talinum.....18b
<i>Sophia</i>20a	St.-Bernard-lily, —.....15a	Tall-cupflower, +.....31a
Sophora.....21a	Steironema.....28a	Tallwortree
Sorbus.....21a	Stellaria.....18b	Chinese, +++.....24a
Sorghum, —.....14a	<i>Sterculia</i>26a	Tamarack, ++.....13a
Sorgo, —.....14a	STERCULIACEAE.....26a	TAMARICACEAE.....26a
Sorrel, sheep, +.....17b	Stick-leaf, ++.....26b	Tamarix, ++.....26a
tall, +.....17b	Stick-seed, +.....30a	African, +.....26a
violet wood, —.....23a	Stick-tight, +.....33b	Amur, +.....26a
wood, —.....15a	Stick-weed, ++.....30a	evergreen, ++.....26a
Sotol, —.....23a	Stilligia.....24a	five-stamen, ++.....26a
Sourgrass, —.....23a	Stizolobium.....22b	French, +.....26a
Sourwood, +++.....28a	St. John's-wort, +.....26a	Juniper, ++.....26a
Sour thistle, common, ++.....35b	Stock, common, +.....20a	Odessa, ++.....26a
field, +.....35b	Grecian, +.....20a	Tangerine, ++.....23a
spiny-leaved, ++.....35b	ten-week, +.....20a	Tanglewood, ++.....28b
Soybean, +++.....22a	Stokesia.....35b	Taraxacum.....35b
Spanish bayonet, —.....15b	Stone-mint, —.....30b	Taro, —.....14b

	Page		Page		Page
Tar weed, ++	23b	Trichostema	31a	Vicia	22b
Tar-weed, ++	34a	Trifolium	22b	Vigna	22b
Tassel-jillo, ++	27a	Trillium, —	15b	Viguiera	35b
Tassel-flower, ++	33b	Triple-lily, —	15a	Vinca	29a
TAXACEAE	13a	Triticum	14a	Vincetoxicum	29b
Taxodium	13b	Trollius	19a	Viola	26b
Taxus	13a	Trompillo, ++	31a	VIOLACEAE	26b
Teasel, common, +	32b	TROPÆOLACEAE	23a	Violet, —	26b
Tecoma	31b	Tropeolum	23a	English, —	26b
Tecomaria	31b	Troutlily, common, —	15a	garden, —	26b
Templetonia	22b	white, —	15a	horned, —	26b
Teosinte, —	14a	Trumpet, catclaw, +++	31b	Violets, grass, —	14b
Mexican, —	14a	Trumpet-bush,		Viorna	19a
Tephrosia	21b	Florida, +++	31b	Virgins-bower,	
Tetragonia	18b	Trumpet-creeper, ++	31b	western, ++	19a
Tetragonotheca	35b	Trumpet-flower, ++	31b	VITACEAE	25a
Tetroneris	33a	yellow, +++	31b	Vitex	30a
Teucrium	31a	Tsuga	13b	Vitis	25a
Texas plume, +	29b	Tuberoze, —	15b	Viznaga, ++	26b
Thalictrum	19a	Indian, ++	33b	Viznagita, ++	26b
Thamnosma	23b	Tulip, —	15b		
THEACEAE	26a	Tulipa	15b	Wafer ash, ++	23b
Thesperma	35b	Tuliptree, +++	19b	Wahoo, ++	24b
Thelocactus	27a	Tumbleweed, +	18a	Wallflower, —	20a
Thistle, Barnaby's, +	33b	Tung-oil tree, ++	23b	common, —	20a
blessed, ++	33b	Turkey tangle, +	30a	Walnut, black, +++	16b
blue, ++	27b	Turnip, ++	20a	English, +++	16b
bull, ++	33b	Tussilago	35b	Japanese, +++	16b
Canada, +++	33b	Twin-berry, +	32a	Mexican, +++	16b
field, +	33b	Typha	13b	Persian, +++	16b
Russian, +++	17b	TYPHACEAE	13b	Wandering Jew, —	14b
slender, +++	33b			Washingtonia	14a
swamp, ++	33b	ULMACEAE	17a	Water-hemp,	
tall, +++	33b	Ulmus	17a	southern, ++	18a
woolly, ++	33b	UMBELLIFERAE	27b	western, ++	18a
Thlaspi	20a	Umbrella plant, —	14a	whitish, ++	18a
Thoroughwort,		Umbrella-wort	18a	Watermelon, —	32b
hyssop-leaf, ++	34a	Ungadia	24b	Wax-mallow, ++	25b
late-flowering, ++	34a	Unicorn-plant,		large-flowered, ++	25b
round-leaf, +++	34a	common, ++	32a	red, +++	25b
shrubby, +	34a	sweet, +	32a	Weigela	32a
tall, ++	34a	Urtica	17a	Weigela, Japanese, ++	32a
Thuja	13b	URTICACEAE	17a	rose, ++	32a
Thunbergia	32a	Uvularia	15b	snow, ++	32a
Thyme, —	31a			Wheat, —	14a
Thymus	31a	Vaccaria	18b	Wheat thief, +	30a
Tickseed, leafy-		Vaccinium	28a	White brush, +	30a
bracted, ++	33b	Vachellia	21a	White-camas, —	15b
small, ++	33b	Valerian, common, +	32b	White-leaf, ++	31b
western, ++	33b	VALERIANACEAE	32b	Whitlow-grass, —	20a
Tievine, ++	29b	Valerianella	32b	Wilcoxia	27a
Tilia	25a	Varnish-tree, ++	23b, 24a	Willow, black, +++	16a
TILIACEAE	25a	Velvet-mallow	26a	desert, +++	31b
Tinantia	14b	Venus lookingglass	33a	golden, +++	16a
Tithonia	35b	Verbascum	31b	gulf, ++	16a
Tithymalopsis	23b	Verbena	30a	prairie, +++	16a
Tithymalus	23b, 24a	blue, —	30a	pussy, +++	16a
Tobacco, Aztec, +++	31a	clump, +	30a	red, +++	16a
common, ++	31a	Dakota, —	30a	water, +++	32a
Indian	33a, 35b	garden, —	30a	weeping, +++	16a
jasmine, ++	31a	wild	30a	white, +++	16a
tree, +	31a	VERBENACEAE	30a	Wind-flower, +	19a
wild, ++	31a	Verbesina	35b	Wine cup, +++	25b
Tomatilla, +++	31a	Vernonia	35b	Wine flower, +++	18a
Tomato, +	31a	Veronica	31b	Winterberry	24b
Toothache-tree, ++	23b	Vervain, —	30a	Wintercreeper, +	24b
Torch-lily, —	15a	European, —	30a	Wintercress, —	19b
Torrillo, ++	22b	large-bracted, +	30a	Wintergreen, —	28a
Torreya	13a	narrow-leaved, —	30a	Wire vine, +	17a
Touch-me-not, +	25a	nettle-leaved, —	30a	Wissadula	26a
Towelgourd, Suakwa, —	32b	Vetch, common	22b	Wisteria, ++	23a
Toxylon	17a	hairy	22b	Japanese, ++	22b
Tradescantia	14b	joint, ++	21a	Witchgrass, —	14a
Tradescantia	14b	spring, +	22b	Witch-hazel, ++	20b
Tragia	24a	Texas wild, ++	22b	Wolfberry, +	32b
Tragopogon	35b	wild, ++	22b	Wood violet, +	19a
Tree-mallow, +++	25b	winter, ++	22b	Wormseed, ++	17b
Tree-of-heaven, +++	23b	Vetchling, +	22a	Wormwood	33a
Treefoil	21b, 22a	Viborquia	22a	Roman, ++	33a
Tribulus	23a	Viburnum	32b		

	Page		Page		Page
Xanthisma.....	35b	Yucca, —.....	15b	Zingiber.....	16a
Xanthium.....	35b	common, —.....	15b	ZINGIBERACEAE.....	16a
Xanthoxalis.....	23a	saw, —.....	15a	Zinnia.....	35b
Ximenesia.....	35b			common, +.....	35b
		Zantedeschia.....	14b	Mexican, +.....	35b
Yam, —.....	15b	Zanthoxylum.....	23b	Zizyphus.....	25a
Yarrow, ++.....	33a	Zea.....	14a	Zornia.....	23a
Yaupon, +.....	24b	Zebra plant, —.....	16a	Zygadenus.....	15b
Yew, Chinese, +++.....	13a	Zephyranthes.....	15b	ZYGOPHYLLACEAE.....	23a
English, ++.....	13a	Zephyrlily, —.....	15b		
Japanese, ++.....	13a	Zexmenia.....	35b		

LITERATURE CITED

1. American Joint Committee on Horticultural Nomenclature. Standardized Plant Names. 1923.
2. Bach, Walter J., and J. J. Taubenhaus. Resistance of the Turk's-cap Hibiscus, *Malvaviscus consaztii*, to *Phymatotrichum* root rot. *Phytopath.* 22: 453-458. 1932.
3. Bailey, L. H., and E. Z. Bailey. *Hortus*, a concise dictionary of gardening, general horticulture and cultivated plants in North America. 1935.
4. Butler, Karl D. The cotton root rot fungus, *Phymatotrichum omnivorum*, parasitic on the watermelon, *Citrullus vulgaris*. *Phytopath.* 25: 559-577. 1935.
5. Ezekiel, Walter N., and J. J. Taubenhaus. Cotton crop losses from *Phymatotrichum* root rot. *Jour. Agr. Res.* 49: 843-858. 1934.
6. Ezekiel, Walter N., J. J. Taubenhaus, and J. F. Fudge. Growth of *Phymatotrichum omnivorum* in plant juices as correlated with resistance of plants to root rot. *Phytopath.* 22: 459-474. 1932.
7. Ezekiel, Walter N., J. J. Taubenhaus, and J. F. Fudge. Further study on the nature of immunity of monocotyledonous plants to *Phymatotrichum* root rot. (Abst.) *Phytopath.* 26: 92-93. 1936.
8. Hitchcock, A. S. *Manual of the grasses of the United States*. U. S. Dept. Agr. Misc. Pub. 200. 1040 p. 1935.
9. King, C. J., Claude Hope, and E. D. Eaton. The cotton root rot fungus indigenous in Arizona deserts. *Sci.* 75: 48-49. 1932.
10. Mattoon, W. R., and C. B. Webster. *Forest trees of Texas*. Texas Forest Service Bul. 20. 96 p. 1923.
11. Rehder, A. *Manual of cultivated trees and shrubs*. 1934.
12. Robinson, B. L., and M. L. Fernald. *Gray's New Manual of Botany* (Seventh edition—illustrated). 1908.
13. Schulz, Ellen D. *Texas wild flowers*. 1928.
14. Seymour, A. B. *Host index of the fungi of North America*. 1929.
15. Small, J. K. *Flora of the southeastern United States*. 1913.
16. Small, J. K. *Manual of the southeastern flora*. 1933.
17. Taubenhaus, J. J. *Phymatotrichum* root rot on winter and spring weeds of South Central Texas. *Amer. Jour. Bot.* 23: 167-168. 1936.
18. Taubenhaus, J. J., B. F. Dana, and S. E. Wolff. Plants susceptible or resistant to cotton root rot and their relation to control. *Texas Agr. Exp. Sta. Bul.* 393: 3-30. 1929.
19. Taubenhaus, J. J., and Walter N. Ezekiel. Cotton root-rot and its control. *Texas Agr. Exp. Sta. Bul.* 423: 3-39. 1931.
20. Taubenhaus, J. J., and Walter N. Ezekiel. Resistance of monocotyledons to *Phymatotrichum* root rot. *Phytopath.* 22: 443-452. 1932.
21. Taubenhaus, J. J., and Walter N. Ezekiel. Check list of diseases of plants in Texas. *Trans. Texas Acad. Sci.* 16: 5-89, 101-118. 1933.
22. Taubenhaus, J. J., and D. T. Killough. Texas root rot of cotton and methods of its control. *Texas Agr. Exp. Sta. Bul.* 307: 3-98. 1923.
23. Wootton, E. O., and Paul C. Standley. *Flora of New Mexico*. *Contr. U. S. Nat. Herb.* 19: 1-794. 1915.

Root-rot ratings used in the list are defined briefly below, for convenient reference. Detailed discussion of these ratings will be found in the introduction.

Ratings		Annual plants, percentage suc- cumbing to root rot during the year	Perennial plants, percentage likely to succumb before maturity
Symbols	Names		
—	immune.....	0	0
+	resistant.....	0-5	0-10
++	moderately susceptible.....	5-30	50-90
+++	highly susceptible.....	30-80	90-100
++++	extremely susceptible.....	80-100	100